



PHILLIPS PETROLEUM COMPANY

9780 Mt. Pyramid Ct., Suite 200
Englewood, Colorado 80112

March 18, 2002

**Application for Permit to Drill
Federal #14-18-2 No. 1**

Via FedEx Overnight

Lisha Cordova
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Dear Ms. Cordova:

Phillips Petroleum Company (Phillips) respectfully submits, one Application for Permit to Drill for the Federal 14-18-2 No.1 Well located in the SW SW of Sec. 18, T10S, R18E, Uintah County, Utah.

Should you have questions or require additional information, please contact me at (303) 643-3950.

Sincerely,

A handwritten signature in cursive script that reads "Cathi Boles".

Cathi Boles
HES Clerk

Enc.

RECEIVED

MAR 20 2002

DIVISION OF
OIL, GAS AND MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. UTU-74971		
1b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A		
2. NAME OF OPERATOR Phillips Petroleum Company			7. UNIT AGREEMENT NAME N/A		
3. ADDRESS OF OPERATOR 9780 Mt. Pyramid Court, Suite 200 Englewood Co 80112 Phone: 303-643-3950			8. FARM OR LEASE NAME WELL NO Federal 14-18-2 #1		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At Surface SW SW 839' FSL 465' FWL At proposed Prod. Zone Same 4421312 Y 590776 X			9. API WELL NO.		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 27.4 miles southeast of Myton, Utah			10. FIELD AND POOL OR WILDCAT -Wildcat Undesignated		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to: 465' from nearest lease line		16. NO. OF ACRES IN LEASE 1040	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW SW Sec. 18, T10S, R18E, SLBM		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. No other wells on lease		19. PROPOSED DEPTH 12,700'	12. County Uintah		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5378.6' GR		13. STATE UT			
22. APPROX. DATE WORK WILL START* 1st QTR 2002					
23. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT	

Phillips Petroleum Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

Federal Approval of this
Action is Necessary

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DIVISION OF
OIL, GAS AND MININGIN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.
If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.24. SIGNED Cathi Boles TITLE HES Clerk DATE 18 Mar 02
(This space for Federal or State office use)PERMIT NO. 43-047-34539 APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

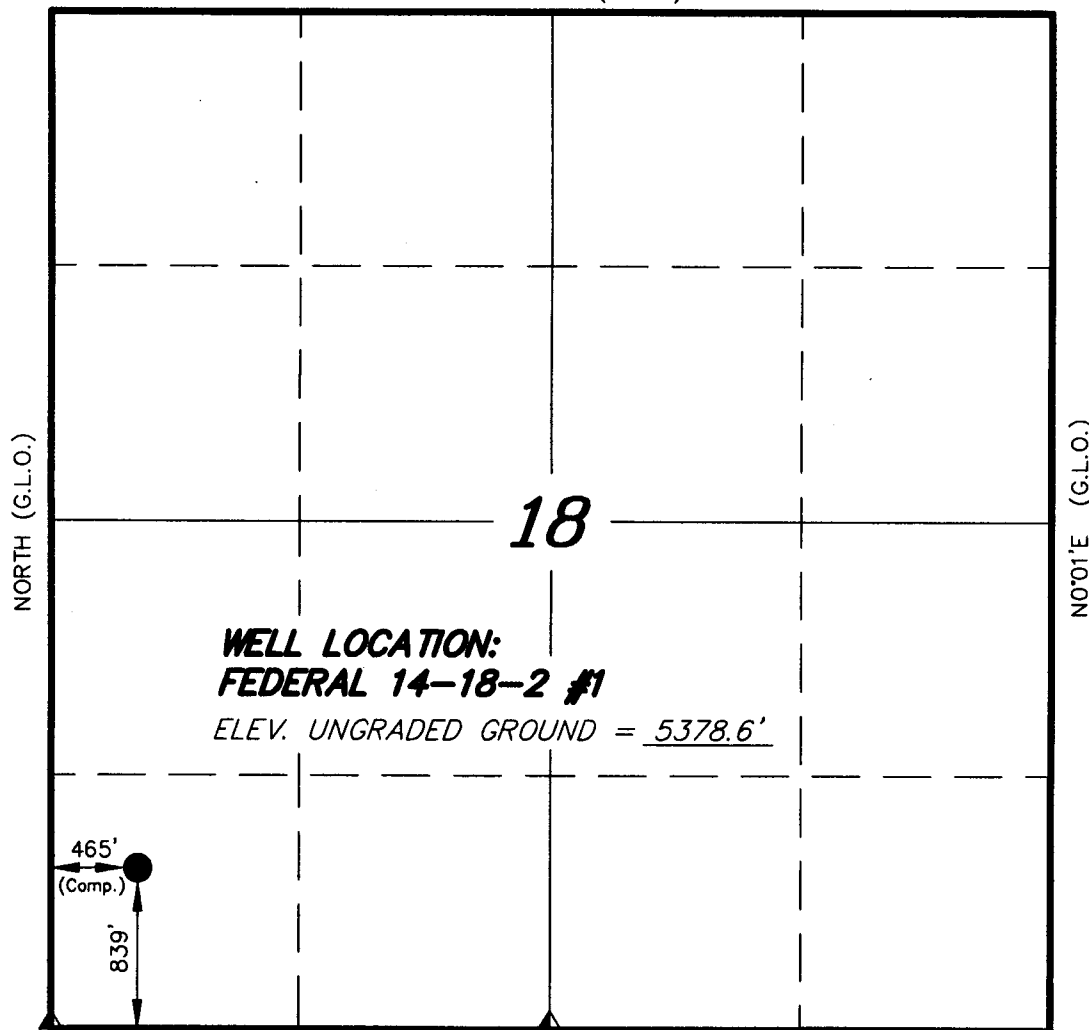
APPROVED BY Bradley G. HillBRADLEY G. HILL
TITLE RECLAMATION SPECIALIST III DATE 03-26-02

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T10S, R18E, S.L.B.&M.

EAST - 80.06 (G.L.O.)



= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (CROW KNOLL)

PHILLIPS PETROLEUM COMPANY

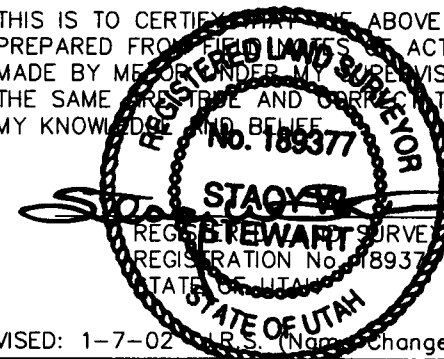
WELL LOCATION, FEDERAL 14-18-2 #1,
LOCATED AS SHOWN IN THE SW 1/4
SW 1/4 OF SECTION 18, T10S, R18E,
S.L.B.&M. UTAH COUNTY, UTAH.

NOTES:

1. The well location bears N28°58'52"E 958.99' from the Southwest corner of Section 18.
2. The Federal No. 12-17 #1 well head bears N16°00'14"E 5277' from the FEDERAL 14-18-2 #1 proposed well head.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF



REVISED: 1-7-02 (Name Change)

TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078

(435) 781-2501

SCALE: 1" = 1000' SURVEYED BY: D.J.S.

DATE: 12-28-01 DRAWN BY: J.R.S.

FILE #

**PHILLIPS PETROLEUM COMPANY
FEDERAL No. 14-18-2 #1
LEASE #UTU-74971
SW/SW SECTION 18, T10S, R18E
UINTAH COUNTY, UTAH**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1000'
Green River	1000' – 1600'
Wasatch	5000' – 5600'
Mesaverde	8400' – 9000'
Mancos Shale	12,000' – 12,500'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation (Oil)	1000' – 1600'
Wasatch/Mesaverde/Mancos (Gas)	5000' – TD

4. PROPOSED CASING PROGRAM

Please refer to the River Bend Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the River Bend Field SOP. See also Exhibit "A".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the River Bend Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the River Bend Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the River Bend Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

Possible abnormal temperatures and/or pressures are anticipated in the lower Mesaverde and Mancos Formations. Please refer to the River Bend Field SOP for pressure control measures.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the River Bend Field SOP.

**PHILLIPS PETROLEUM COMPANY
FEDERAL No. 14-18-2 #1
LEASE # UTU-74971
SW/SW SECTION 18, T10S, R18E
UINTAH COUNTY, UTAH**

ONSHORE ORDER NO. 1

SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach the PHILLIPS PETROLEUM COMPANY (PHILLIPS) well location site known as the FEDERAL No. 14-18-2 #1, located in the SW ¼ of the SW ¼, Section 18, T10S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southerly along Hwy 53 - 12.5 miles ± to its junction with "Sand Wash Road"; take the Sand Wash Road 6.8 miles ± to its junction with a southeasterly oil and gas service road; proceed southeasterly 6.1 miles ± to the beginning of the proposed access road; proceed southwesterly 1395' ± along the proposed access road to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Topographic Map "C".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the River Bend Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Water for drilling will be supplied from the Johnson Water District via Inland Production Company's water source taps, and by a private well provided by Nebeker Trucking.

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the River Bend Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the River Bend Field SOP.

8. ANCILLARY FACILITIES

Please refer to the River Bend Field SOP.

9. **WELL SITE LAYOUT**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the River Bend Field SOP.

11. **SURFACE OWNERSHIP** - Bureau of Land Management

12. **OTHER ADDITIONAL INFORMATION**

4,800' of the two-track road to be upgraded crosses "off-lease" lands. Phillips requests that a 4,800' length x 30' width linear ROW be granted for the Federal No. 14-18-2 #1 to allow for upgrading and use of the two-track road. **Refer to Topographic Map "B."**

In addition Phillips requests a 1390' length x 60' width right-of-way for the Federal 14-18-2 #1 to allow for construction of a 4" diameter surface steel gas gathering line and a 7431' length x 60' width right-of-way to allow for construction of an 8" diameter surface steel gas gathering line. The line would run from the well head and tie in to the existing pipeline infrastructure as described on the attached **Pipeline Network Topographic Map**. To allow for potential future tie-ins to the proposed pipeline, Phillips Petroleum Company requests that the entire line from the well head to the tie in point with the existing pipeline infrastructure be permitted as a right-of-way.

For construction, lengths of steel pipe would be strung out on the well pad and well access road, welded together, and rolled or dragged into place adjacent to the road. No new surface disturbance or temporary construction areas will be required for construction. A minor trampling of vegetation adjacent to the well access road may occur as the pipeline is rolled or dragged into place. Pipeline construction would occur immediately after the well is drilled.

The Archaeological and Paleontological Resource Survey Reports for the proposed well and pipeline route are attached.

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Operations Representative

Name: Mark A. Balderston
Petroleum Engineer
Address: Phillips Petroleum Company
303 Sandrock Drive
Craig, CO 81625
Telephone: CO (970) 326-6991; Fax (970) 824-1911
UT (435) 828-7180; Fax (435) 828-7147

Right-of-Way Representative

Name: Deanna J Walker
Senior Real Estate Specialist
Address: Phillips Petroleum Company
Insurance, Real Estate & Claims
P.O. Box 105
Livermore, CO 80536
Telephone: (970) 498-9677; Fax: (970) 498-9687

Health, Environmental & Safety Representative

Name: Steve de Albuquerque
Address: Phillips Petroleum Company
E&P - Americas Division
Rocky Mountain Region
9780 Mt. Pyramid Ct., Suite 200
Englewood, CO 80112
Telephone: (303) 643-3942; Fax: 303-643-4378
Cell (720) 810-3337

Certification

Please be advised that PHILLIPS PETROLEUM COMPANY is considered to be the operator of the Federal No. 14-18 #1 well, located in the SW ¼ of the SW ¼, Section 18, Township 10S, Range 18E, Lease #UTU-74971, Uintah County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by General Insurance Co. of America, Policy #888912.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by PHILLIPS and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

10 March 2002
Date

J. Stephen de Albuquerque
J. Stephen de Albuquerque
HES Supervisor
Phillips Petroleum Company

Well No.: Federal No. 14-18-2 #1

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Phillips Petroleum Company

Well Name & Number: Federal No. 14-18-2 #1

API Number:

Lease Number: UTU-74971

Location: SW/SW Sec. 18, T10S, R18E

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL

CULTURAL RESOURCES

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

PALEONTOLOGICAL RESOURCES

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

SOILS, WATERSHEDS, AND FLOODPLAINS

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

WILDLIFE AND FISHERIES

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

LOCATION AND RESERVE PIT RECLAMATION

During construction of the reserve pit, a small amount of topsoil shall be stockpiled nearby, to be spread over the reserve pit area at the time the reserve pit is reclaimed.

The topsoil stockpile shall be reseeded immediately after site construction by broadcasting the seed, then walking the topsoil stockpile with the dozer to plant the seed.

The following seed mixture will be used on the topsoil stockpile, the recontoured surface of the reserve pit, and for final reclamation: (All poundage's are in pure live seed.)

shadscale	<i>Atriplex confertifolia</i>	3 lbs/acre
Gardner saltbush	<i>Atriplex gardneri</i>	3 lbs/acre
Indian ricegrass	<i>Oryzopsis hymenoides</i>	3 lbs/acre
galleta grass	<i>Hilaria jamesii</i>	3 lbs/acre

The reserve pit shall be reclaimed immediately after drilling operations have ceased. The pit shall be reclaimed by: 1) removing all liquids and any oily debris according to Utah Division of Oil, Gas, & Mining pit closure rules; 2) perforating and folding the liner in place; 3) recontouring the surface; 4) broadcasting the seed over the recontoured surface; and 5) walking the surface of the pit with a dozer to plant the seed.

At the time of final abandonment, the location and access will be recontoured to natural topography and topsoil spread over the area and the surface seeded immediately.

PRODUCTION WATER

Produced water from this well will be disposed of in pre-existing commercial SWD facilities located in Section 12, T6S, R19E.

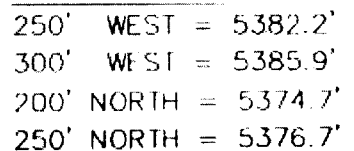
PIPELINES

Installation of a surface gas pipeline or buried gas pipeline will follow the conditions of approval outlined above.

Except as specified in the APD, the installation of the surface gas pipeline or buried gas pipeline will follow the edge of the existing roadways without interfering with the normal travel and maintenance of the roadway.

The installation of any surface or buried pipeline will disturb as little land surface as possible and will not exceed 60 feet in width. Reclamation of the disturbance area associated with pipeline construction will be completed within 10 days after installation. The land surface will be recontoured to natural or near natural contours. Reseeding will be with the same seed mixture specified for reclamation of the reserve pit and well site. The interface of the pipeline construction disturbance area and the edge of any adjacent access roads will be constructed with a borrow ditch and road berm to minimize vehicular travel along the pipeline route.

FEDERAL 14-18-2 #1
SEC. 18, T10S, R18E, S. L. B. & M.



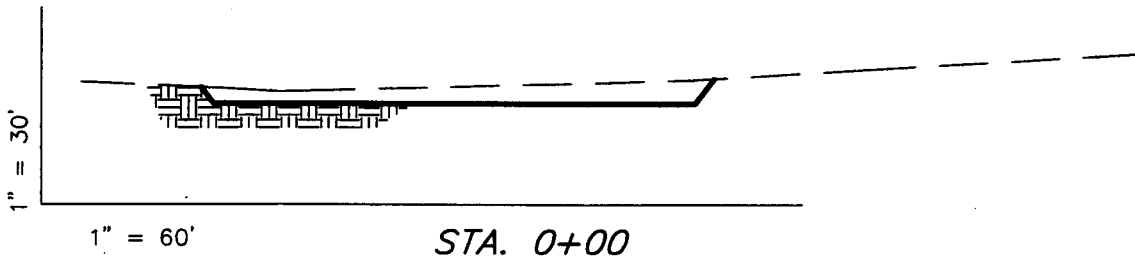
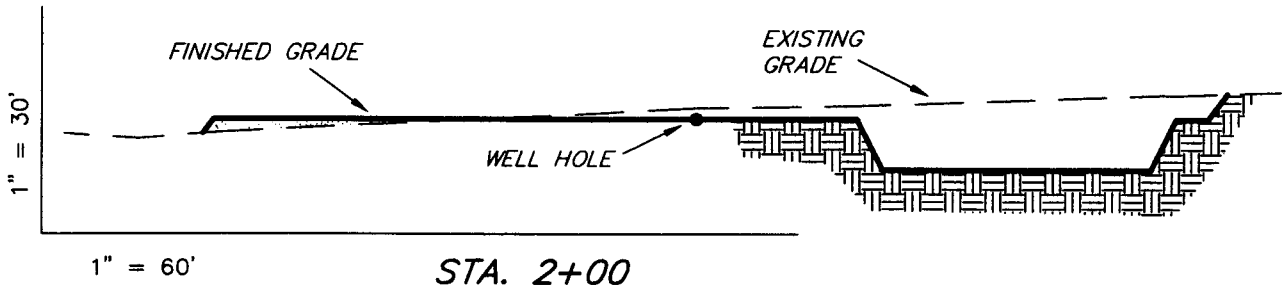
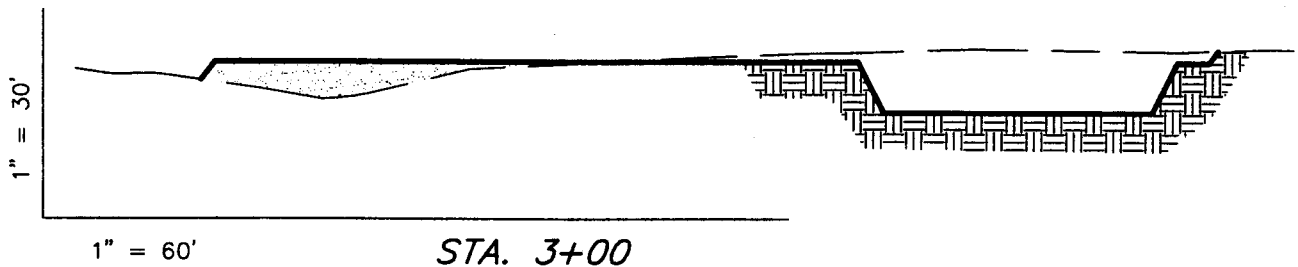
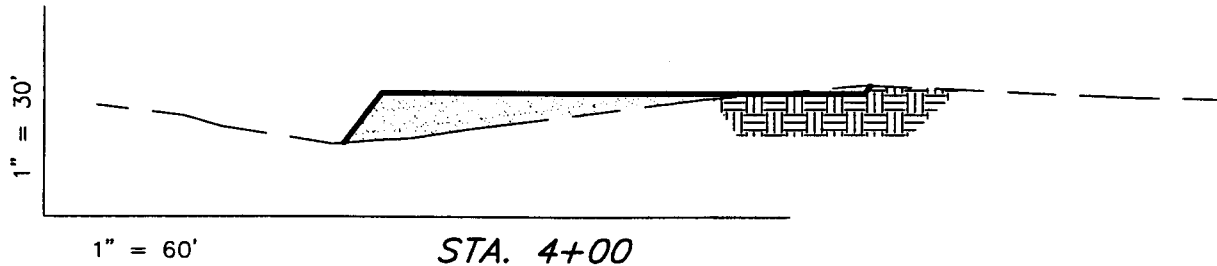
Tri State (435) 781
Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

(435) 781-2501

PHILLIPS PETROLEUM COMPANY

CROSS SECTIONS

FEDERAL 14-18-2 #1



NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

REVISED: 1-7-02 J.R.S. (Name Change)

ESTIMATED EARTHWORK QUANTITIES

(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,570	3,570	Topsoil is not included in Pad Cut	0
PIT	4,090	0		4,090
TOTALS	7,660	3,570	1,860	4,090

SURVEYED BY: D.J.S.

SCALE: 1" = 60'

DRAWN BY: J.R.S.

DATE: 12-28-01

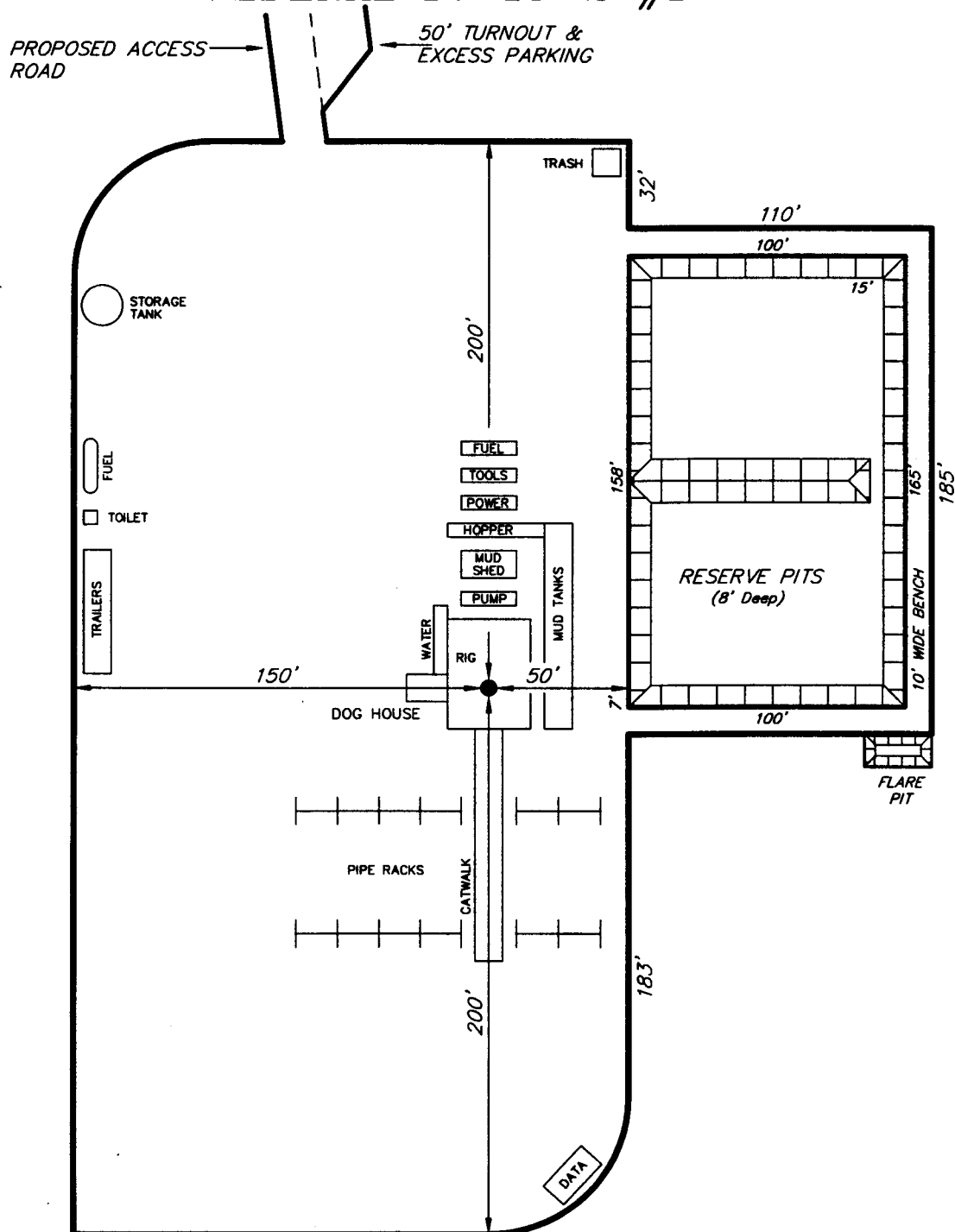
(435) 781-2501

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PHILLIPS PETROLEUM COMPANY

TYPICAL RIG LAYOUT

FEDERAL 14-18-2 #1



REVISED: 1-7-02 J.R.S. (Name Change)

SURVEYED BY: D.J.S.

SCALE: 1" = 60'

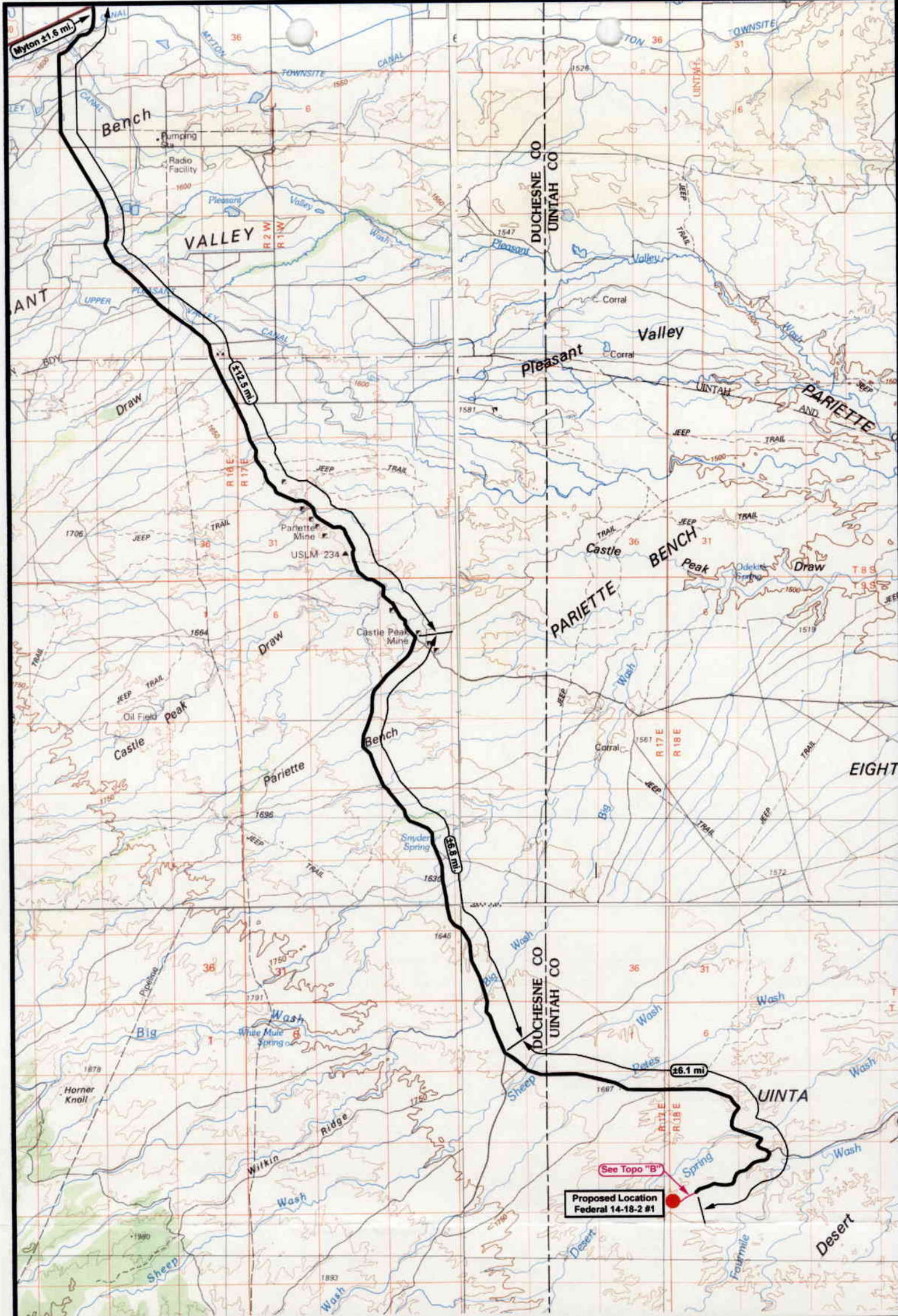
DRAWN BY: J.R.S.

DATE: 12-28-01

Tri State
Land Surveying, Inc.

(435) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078



**PHILLIPS
PETROLEUM CO.**

**Federal 14-18-2 #1
SEC. 18, T10S, R18E, S.L.B.&M.
Uintah County, Utah**



**Tri-State
Land Surveying Inc.**
(435) 781-2501
38 West 100 North Vernal, Utah 84078

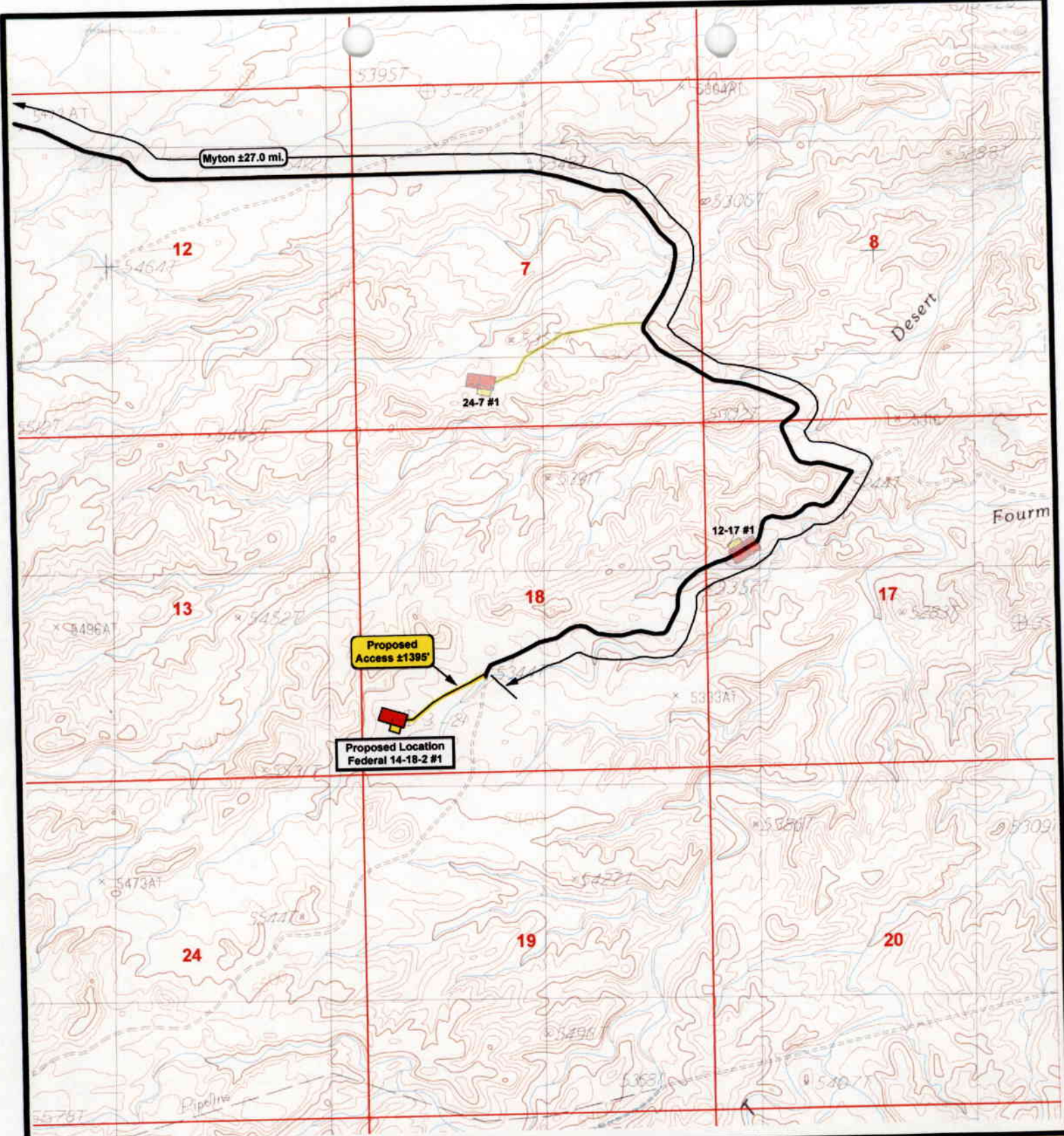
SCALE: 1" = 100,000'
DRAWN BY: D.J.
DATE: Rev. 01-08-2002

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

"A"



**PHILLIPS
PETROLEUM CO.**

**Federal 14-18-2 #1
SEC. 18, T10S, R18E, S.L.B.&M.
Uintah County, Utah**



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38 West 100 North Vernal, Utah 84078

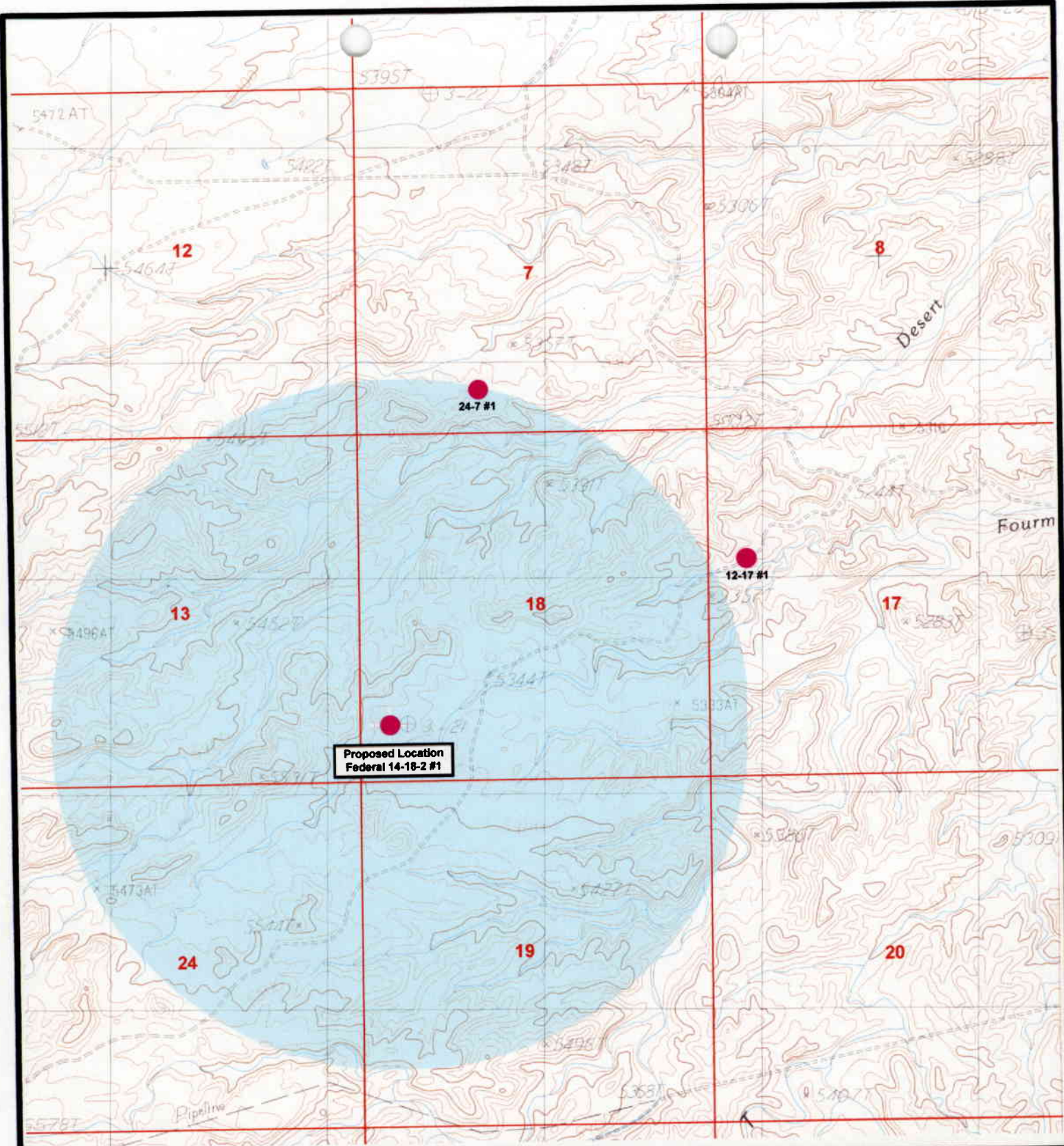
SCALE: 1" = 2000'
DRAWN BY: D.J.
DATE: Rev. 01-09-2002

Legend

Existing Road
 Proposed Access

TOPOGRAPHIC MAP

"B"



**PHILLIPS
PETROLEUM CO.**

**Federal 14-18-2 #1
SEC. 18, T10S, R18E, S.L.B.&M.
Uintah County, Utah**

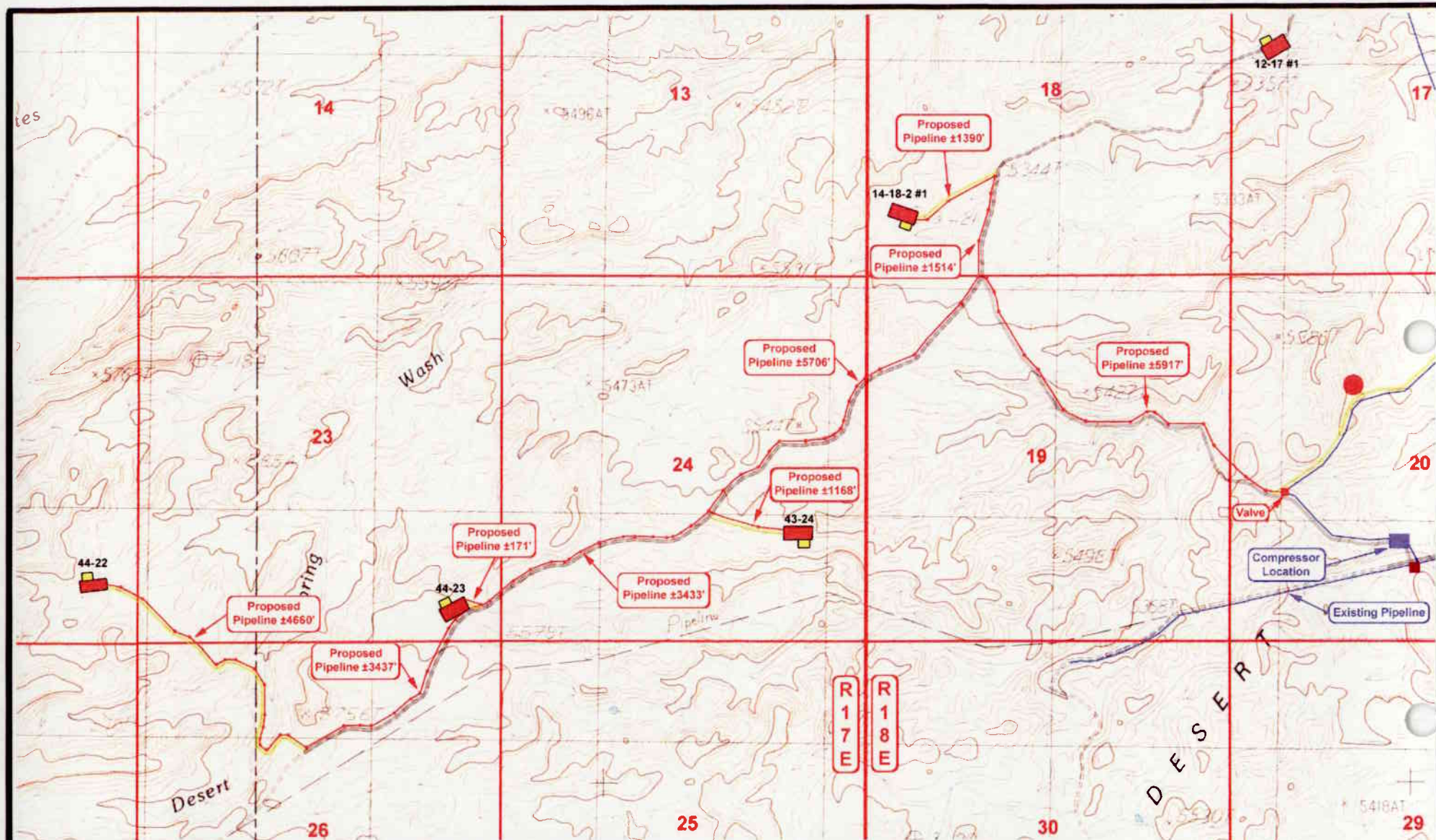


**Tri-State
Land Surveying Inc.**
(435) 781-2501
38 West 100 North Vernal, Utah 84078

**SCALE: 1" = 2000'
DRAWN BY: D.J.
DATE: Rev. 01-09-2002**

Legend
● Proposed Locations
● One Mile Radius

**TOPOGRAPHIC MAP
"C"**



**PHILLIPS
PETROLEUM CO.**

Pipeline Network
T10S, R17E & R18E, S.L.B.&M.
Duchesne & Uintah County, Utah



*Tri-State
Land Surveying Inc.*
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: D.J.
DATE: 02-25-2002

Legend

- Existing Road
- Proposed Access
- Existing Pipeline
- Proposed Pipeline

TOPOGRAPHIC MAP



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MAR 11 2002

Cathi Boles

**CULTURAL RESOURCE INVENTORY OF
PHILLIPS PETROLEUM'S PROPOSED
PETE'S WASH 14-18-2-1 WELL LOCATION,
UINTAH COUNTY, UTAH**

by

Sharyl Kinnear-Ferris

Prepared For:

**Bureau of Land Management
Vernal Field Office**

Prepared Under Contract With:

**Phillips Petroleum Company
9780 Mt. Pyramid Court
Suite 200
Englewood, CO 80112**

Prepared By:

**Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532**

MOAC Report No. 02-35

March 8, 2002

**United States Department of Interior (FLPMA)
Permit No. 01-UT-60122**

**State of Utah Antiquities Project (Survey)
Permit No. U-02-MQ-0091b**

INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) for Phillips Petroleum Company's proposed Pete's Wash 14-18-2-1 well location in the River Bend project area (Figure 1). The project area is situated to the west of the Green River, south of Eightmile Flat, in the Little Desert area of Uintah County, Utah. The survey was implemented at the request of Mr. Jon Holst, permitting agent for Phillips Petroleum Company, Englewood, Colorado. The project area is on public lands administered by the Bureau of Land Management (BLM), Vernal Field Office.

The objectives of the inventory were to locate, document, and evaluate any cultural resources within the project area in accordance with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventory was implemented to attain compliance with a number of federal and state mandates, including the National Environmental and Historic Preservation Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, and the American Indian Religious Freedom Act of 1978.

The fieldwork was performed by Sharyl Kinnear-Ferris, assisted by Sarah Ball and Roger Stash, on February 27, 2002. The work was conducted under the auspices of U.S.D.I. (FLPMA) Permit No. 01-UT-60122 and State of Utah Antiquities Project (Survey) No. U-02-MQ-0091b. On February 26, 2002 a file search for previous projects and documented cultural resources was conducted by Sharyl Kinnear-Ferris and Sarah Ball at the BLM Vernal Field Office. This consultation indicated that several inventories have been conducted near the project area. In 1991, Metcalf Archaeological Consultants (MAC) conducted an inventory of the proposed DSU 19-B-7 well location and access route for Coastal Oil and Gas Corporation; no cultural resources were found (Scott 1991). In 1994, MAC conducted a survey of the Reliable Little Desert 2-D Seismic line (Scott 1994). One previously recorded site (42Un1950), and an isolated Late Archaic corner-notched projectile point were found. A cultural resource inventory was conducted by MOAC in 2001 for the Phillips Petroleum proposed Spring Wash 22-24-1 well location (Kinnear-Ferris 2001). No cultural resources were found. To summarize, a number of cultural resource inventories have been conducted in the vicinity of the project area with no archaeological sites being documented in the current project area.

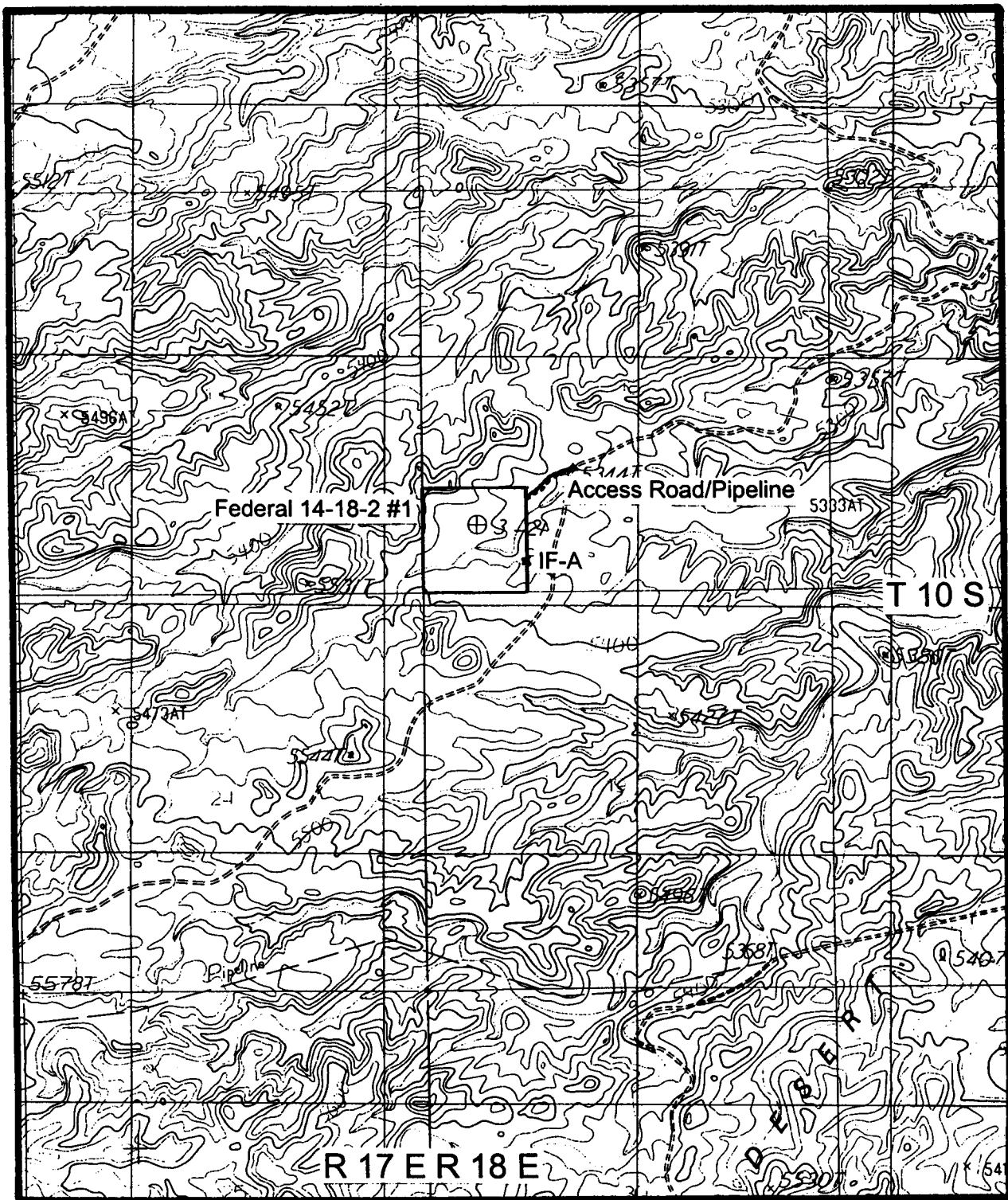


Figure 1. Location of Philips Petroleum's Pete's Wash 14-18-2-1 Well Location and Cultural Resource. USGS Crow Knoll, UT 7.5', 1985. Scale 1:24 000.

DESCRIPTION OF PROJECT AREA

The project area lies west of the Green River, and south of Eightmile Flat, in the Little Desert area of the Uinta Basin, south of Myton, Utah. The legal description is Township 10 South, Range 18 East, Section 18. In general, the study area is situated within the Tavaputs Plateau division of the Uintah Basin physiographic province (Stokes 1986). Topographically, this area consists of highly dissected ridges with sandstone knolls and ledges. The upper Eocene Uinta Formation is composed of eroded outcrops formed by fluvial deposited stream laid interbedded sandstone and mudstone. This formation is known for its fossiliferous nature and distinctive mammalian fauna of mid-Eocene Age, and is the type formation for the Uintan Land Mammal Age (Wood et al. 1941). Common vertebrates include turtles, crocodilians, fish, and some mammals. The nearest permanent water source is the Green River, east of the project area. Named intermittent drainages in the area include Fourmile Wash, Desert Spring Wash, and Pete's Wash. The elevation is 5400 feet a.s.l. Vegetation includes those species found in a Shadscale Desert Community, including greasewood, shadscale, rabbitbrush, snakeweed, prickly pear cactus, Indian ricegrass, and other grasses. Modern disturbances include oil/gas development, livestock grazing, and roads.

SURVEY METHODOLOGY

An intensive pedestrian survey, considered 100% coverage, was performed for this project. The archaeologists walked parallel transects across the inventory parcel, spaced no more than 10 m (30 ft) apart. Ground visibility was considered good. A 150 ft access/pipeline corridor was surveyed by walking parallel or zig-zag transected space no more than 15 meters apart. A total of 40 acres was inventoried on BLM administered land, Vernal Field Office.

INVENTORY RESULTS

The inventory of Phillips Petroleum's Pete's Wash 14-18-2-1 resulted in the documentation of one prehistoric isolated artifact (IF-A). Isolated Find A (IF-A) is located in the SE/SW/SW of Township 10S, Range 18E, Sec. 18; UTM 585403E/4439065N. It is a grayish-tan medium-grained quartzite single-handed mano moderately ground and pecked on one face, and slightly ground along one margin (12.3 INC x 10 x 4.5 cm).

MANAGEMENT RECOMMENDATIONS

The inventory of the proposed Phillips Petroleum Company's Pete's Wash 14-18-2-1 Well Location resulted in the documentation of a prehistoric isolated artifact (IF-A). This cultural resource represents ephemeral use of the area and is considered not eligible to the NRHP due to the lack of additional research potential beyond the artifact descriptions in this report. Based on the findings, a determination of "no historic properties affected" is recommended for this project pursuant to Section 106, CFR 800.

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Scott, J.M.

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Stokes

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Paleontological Resource Inventory Report

Phillips Petroleum

**5 Parcels in Crow Knoll Quadrangle
NW/NE Section 18, T10S, R18E (State Land)
SW/SW Section 18, T10S, R18E (BLM Land)
NE/SE Section 24, T10S, R17E (BLM Land)
SE/SE Section 23, T10S, R17E (BLM Land)
SE/SE Section 22, T10S, R17E (BLM Land)
Uinta County, Utah**

Declaration of Significant Paleontological Findings

7 March 2002

Prepared by Rod Scheetz, Ph.D.,
485 Fruitwood Drive
Grand Junction, CO 81504
970-434-9089

Introduction

At the request of Jon Holst, of Jon D Holst & Associates, as recommended by Blaine Phillips of the BLM, a paleontological inventory survey of five 40 acre parcels (SW/SW & NW/NE Section 18, T10S, R18E; NE/SE Section 24, SE/SE Section 23, SE/SE Section 22, T10S, R17E, in the Crow Knoll USGS Quadrangle, Uinta County, Utah) was conducted by Rod Scheetz and crew on 27 February and 4-5 March 2002. The survey was conducted for Phillips Petroleum under Paleontological Resources Use Permit #UT-S-01-004. This survey to locate, identify and evaluate paleontological resources was done to meet requirements of Executive Order 11593, The National Environmental Act of 1969, and other Federal laws and regulations that protect paleontological resources.

Federal and State Requirements

As mandated by the US Department of the Interior Bureau of Land Management, paleontologically sensitive geologic formations included in BLM lands involved in exchanges need be evaluated for their paleontological resources. This requirement complies with:

- 1) The Historic Sites Act of 1935 (P.L. 74-292; 49 Stat. 666, 16 U.S.C. 461 *et seq.*);
- 2) The National Environmental Policy Act of 1969 (NEPA)(P.L. 91-190; 31 Stat. 852, 42 U.S.C. 44321-4327);
- 3) The Federal Land Policy and Management Act of 1976 (P.L. 94-579; 90 Stat. 2743, U.S.C. 1701-1782);
- 4) Under policy dictated by the BLM paleontology planning mitigation document IM-96-67 (4 March 1996) formations are ranked according to their paleontological potential:
 - *Condition 1* is applied to those areas known to contain fossil localities, and special consideration of the known resources is in need of evaluation.
 - *Condition 2* is applied to areas that have exposures of geologic rock units known to have produced fossils elsewhere.
 - *Condition 3* are areas unlikely to produce fossils based on surficial geology.

Although these guidelines apply mostly to vertebrate fossils, they are equally designed to help protect rare plant and invertebrate fossils, especially "type" localities. Likewise, many fossils, though common and unimpressive in and of themselves, can be important paleo-environmental, depositional, and chronostratigraphic indicators.

PREVIOUS WORK

The Uinta Formation, within the Uinta Basin in northeast Utah, is composed primarily of lacustrine sediments in the west, and fluvial clays, muds and sands in the east (Bryant et al, 1990; Ruder et al, 1976). The Uintah Formation is well-known for its fossiliferous nature and distinctive mammalian fauna of mid-Eocene Age, and is the type formation for the Uintan Land Mammal Age (Wood et al, 1941).

Early stratigraphic work within the Uinta Formation focused on the definition of rock units and attempted to define a distinction between early and late Uintan faunas (Riggs, 1912; Peterson and Kay, 1931; Kay 1934). The emphasis in more recent decades focused on magnetostratigraphy, radioscopic chronology, and continental biostratigraphy (Flynn 1986, prothero, 1990; Prothero and Swisher, 1990; Prothero and Swisher, 1992; Walsh, 1996). (See Walsh 1996 for recent review.) Previous consensus suggests early and late Uintan faunas coincided with Uinta B and Uinta C rock respectively. However, this view is currently being challenged and tested by workers from Washington University.

The only known fossil locality reported previously (Un133v) within any of the parcels concerned in this survey lies within the NW corner of the NE/SE Section 24.

FIELD METHODS

Considerable effort was made to locate, identify and evaluate any and all significant fossils or fossil horizons exposed within the designated boundary. Areas of prime attention were erosional surfaces and fresh outcrops. These areas were surveyed for exposed vertebrate, invertebrate, and plant fossils. Anthills were investigated to identify possible microvertebrate horizons that would not otherwise be evident on weathered surfaces. Contacts along sandstone units provided several invertebrate trace fossils. Fossil bone fragments are locally common within the area surveyed. Most common are fossil turtle or tortoise fragments exhibiting various stages of deterioration. Because of their abundance the majority of the turtle fragments were not recorded. However, all fossil chelonians represented by a significant portion of an individual and those useful in identifying fossiliferous horizons were recorded. The resistant nature of carapace and plastron parts allows for a single deteriorated turtle to fragment and scatter over an area of up to ten square meters (personal observation). Other vertebrate fossils will, on the other hand, deteriorate completely in place and will not be noticed unless discovery is made during initial stages of exposure. The presence of turtle fossils is indicative of favorable preservational conditions, and their presence should not therefore be ignored. Only a cursory survey was performed on soil horizons, because fossil fragments, although common, are out of place and weathered, providing little information.

Phillips Well: East Pete's Wash 31-18-4 #1

Location of Project:

A paleontological resources survey was conducted on a forty acre parcel within the NW/NE Section 18 (T10S, R18E) and on an approximate 0.5 mile access road and pipeline ROW in the USGS Crow Knoll Quadrangle, in Uintah County, Utah (Fig. 1).

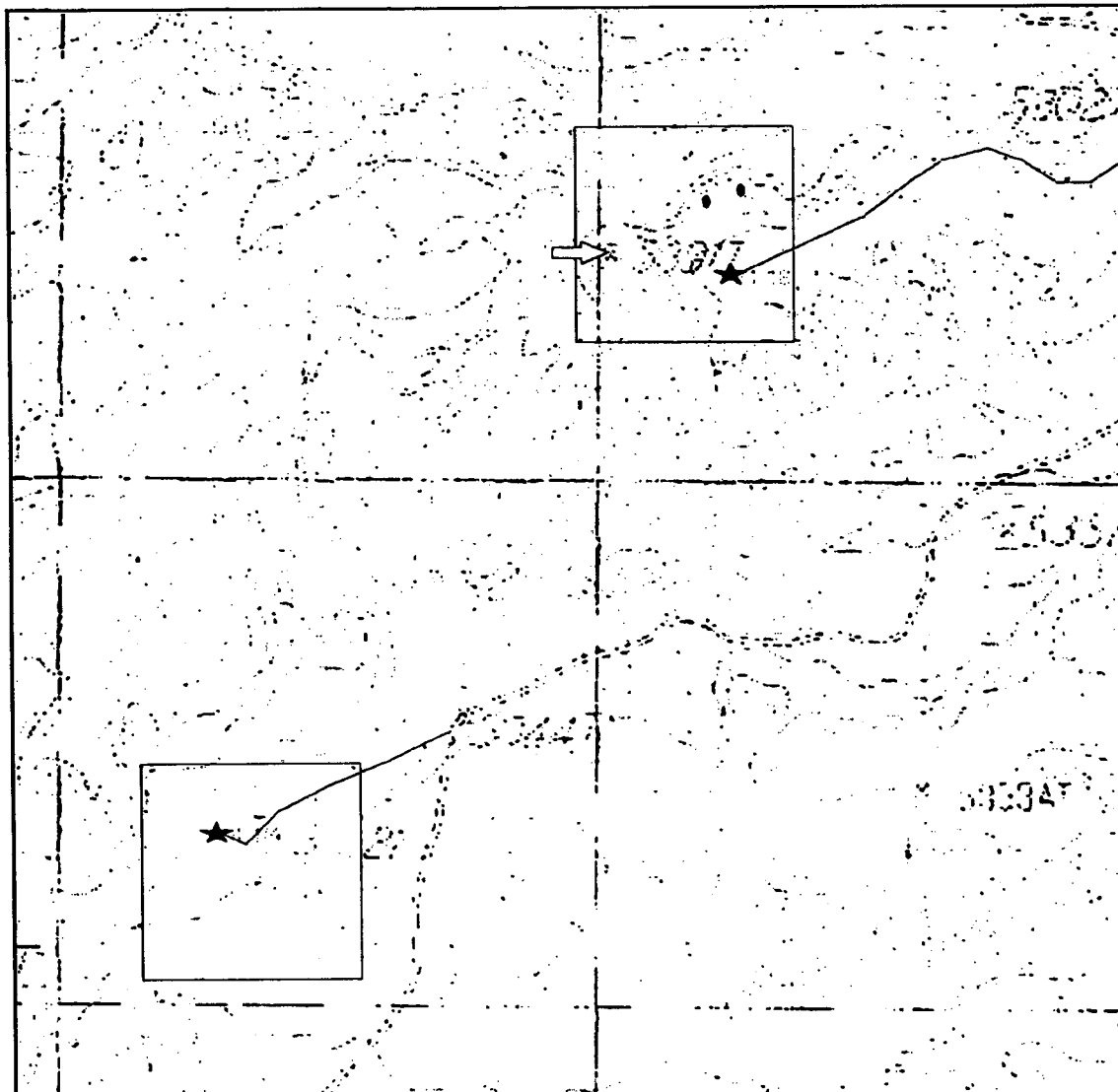


Figure 1. Section 18 (T10S, R 18E) showing SW/SW and NW/NE parcels surveyed. Arrow within the NW/NE parcel marks fossil wood locality, and dots indicate turtle scatters. Star in the NW/NE parcel marks the location of proposed well 31-18, and the star in the SW/SW parcel marks the proposed well 14-18. Scale: 1" = 0.215.

Geological and Paleontological Overview:

The geomorphology of this parcel consists of a north trending ridge that enters the parcel from the southwest and turns northeast at the center of the 40-acre tract, essentially bisecting the parcel into two broad drainages on either side of the ridge. The broad drainage in the southeast of the parcel bears 70% outcrop, most of it coated in a thin veneer of residuum and colluvium of siltstone and sandstone. The lithology is thin to moderate beds of silt and sandstone pods interspersed within brown and gray mudstones. Some invertebrate burrows occur, but they are not common. Slope of ridges bear good outcrop with 2-3 successive layers of pro-deltaic sands.

The drainage north of the ridge trends east and, except within the bottom and high-walls of the wash, is covered in a thick alluvium. All bedrock is of the Uinta Formation.

Survey Findings:

Poorly preserved wood was found on the northeast corner of the knoll near the center of the parcel (Fig. 1) (UTM coordinates 591027.9M E 4422459.0M N Z 12). The wood is at the base of a greenish brown prodeltaic sandstone near the top of the hill. The wood is replaced with no discernable structure, only impressions of molds and casts (Fig. 2). Although the fossil appears to have been hacked out, the preservation of remaining litter of small chunks and a small section of log (inset Fig. 2) suggest the possibility for identification of other plant fossils.

Two turtle scatters were found on the top of the northeast trending ridge. At UTM coordinates 591199.3M E 4422533.2M N Z 12, nearly a dozen small eroded fragments of a baenid turtle shell occurs in a 3 meter area along the west end of a knoll (Fig 1) found within the residuum atop a purplish siltstone. At UTM coordinates 591251.9M E 4422539.4M N Z 12, six or so turtle shell fragments of a testudo are scattered over a 1.5 meter area within a greenish silty-mudstone, at approximately the same horizon as the previous find, but at opposite ends of the knoll.

No significant vertebrate fossils were found along the $\frac{1}{2} \pm$ mile of access road and pipeline right-of-way, although there are fine-grained sandstone exposures within the bottoms of some drainages which are riddled with invertebrate burrows.

Recommendations:

Although fossils were found in a few localities, most are out of reach and/or are not significant enough to limit development of well pads or roads. The wood locality (Un1347P), high on the ridge and protected by the thick sandstone unit it is contained in, will be registered with the state as a site with good potential for finding identifiable plant material, but the localities of turtle-shell fragments represent fossils beyond recovery and are of limited scientific value beyond their documented occurrence. The wood locality should be avoided, but no other fossils were found that would otherwise limit development of well-pads or roads.

Conditional Paleo Clearance

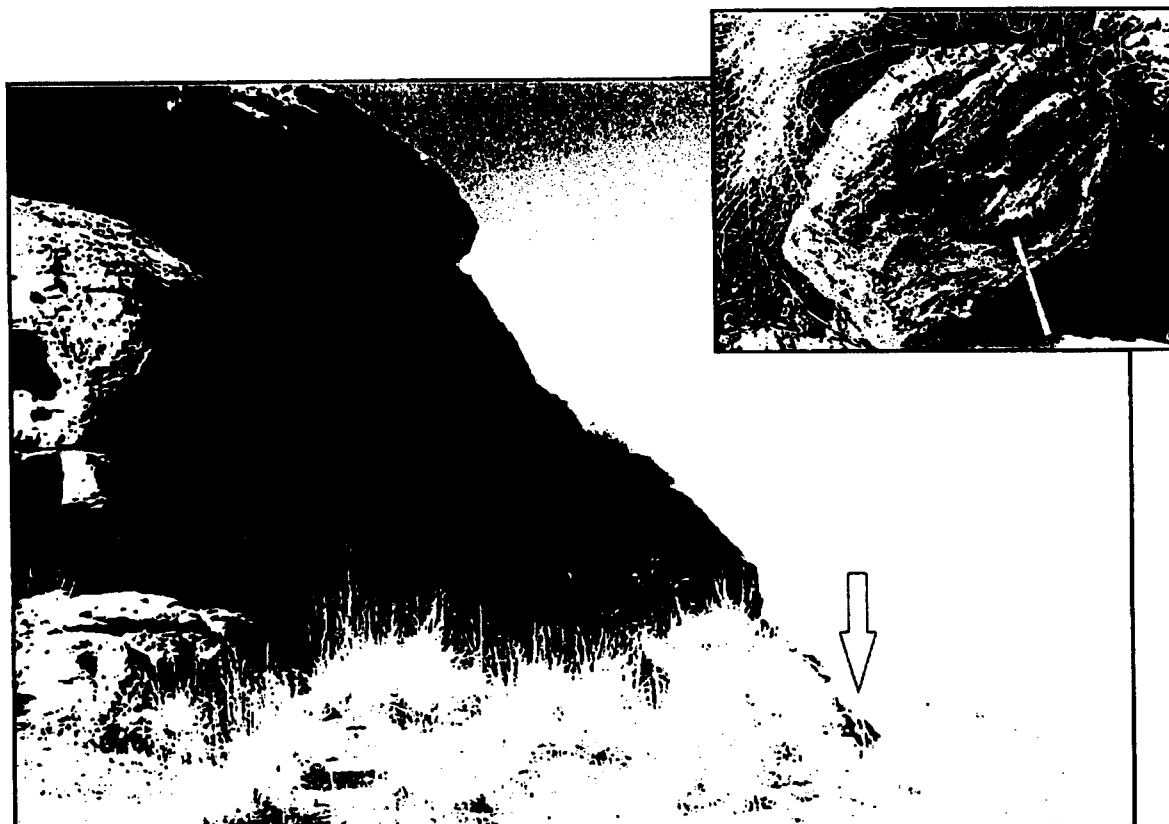


Figure 2. View of fossil wood locality (Un 1347P) at base of thick deltaic sandstone outcrop at north edge of top of hill. Photo looking west. Inset photo of section of replaced log with associated copper mineralization (pen for scale).

Phillips Well: East Pete's Wash 14-18-2 #1

Location of Project:

A paleontological resources survey was conducted on a forty acre parcel of the SW/SW Section 18 (T10S, R18E) in the USGS Crow Knoll Quadrangle, in Uintah County, Utah (Fig. 1).

Geological and Paleontological Overview:

The geomorphology of this parcel is fairly flat, sloping gently to the east with minor hills to the north, cut by minor drainages. The surface is predominantly alluvial, colluvial and loess covered. Small drainages cut into brown mudstones and marly siltstones of the Uinta Formation. Mature outcrops are confined to edges of drainages and small hills. Freshly exposed outcrops are rare. Occasional localized exposures of bedrock occur in the flats but are weathered and wanting of fossils. Cross-bedded fluvial channels occur along edges of drainages and bear zones of obliterated bedding due to bioturbation caused from fossil root traces. Some calcareous mudstones below the marl bear invertebrate burrows. Other sandstones in the area bear planar to cross-bedded laminations with some soft-sediment deformation, suggesting a deltaic environment.

Survey Findings:

No vertebrate fossils were found. Trace fossils of roots and invertebrate burrows are found in localized sandstone and siltstone horizons, but are very common throughout the Uinta Formation.

Recommendations:

Based on the ground survey, we find no evidence of fossils, or fossiliferous horizons, that would indicate the need to limit development of a drill pads or access within the SW/SW Section 18.

Paleo Clearance Granted

Phillips Well: Spring Wash 43-24-3 #1

Location of Project:

A paleontological resources survey was conducted on a forty acre parcel consisting of the NE/SE Section 24 (T10S, R17E) and its road and pipeline access in the USGS Crow Knoll Quadrangle, in Uintah County, Utah (Fig. 3).

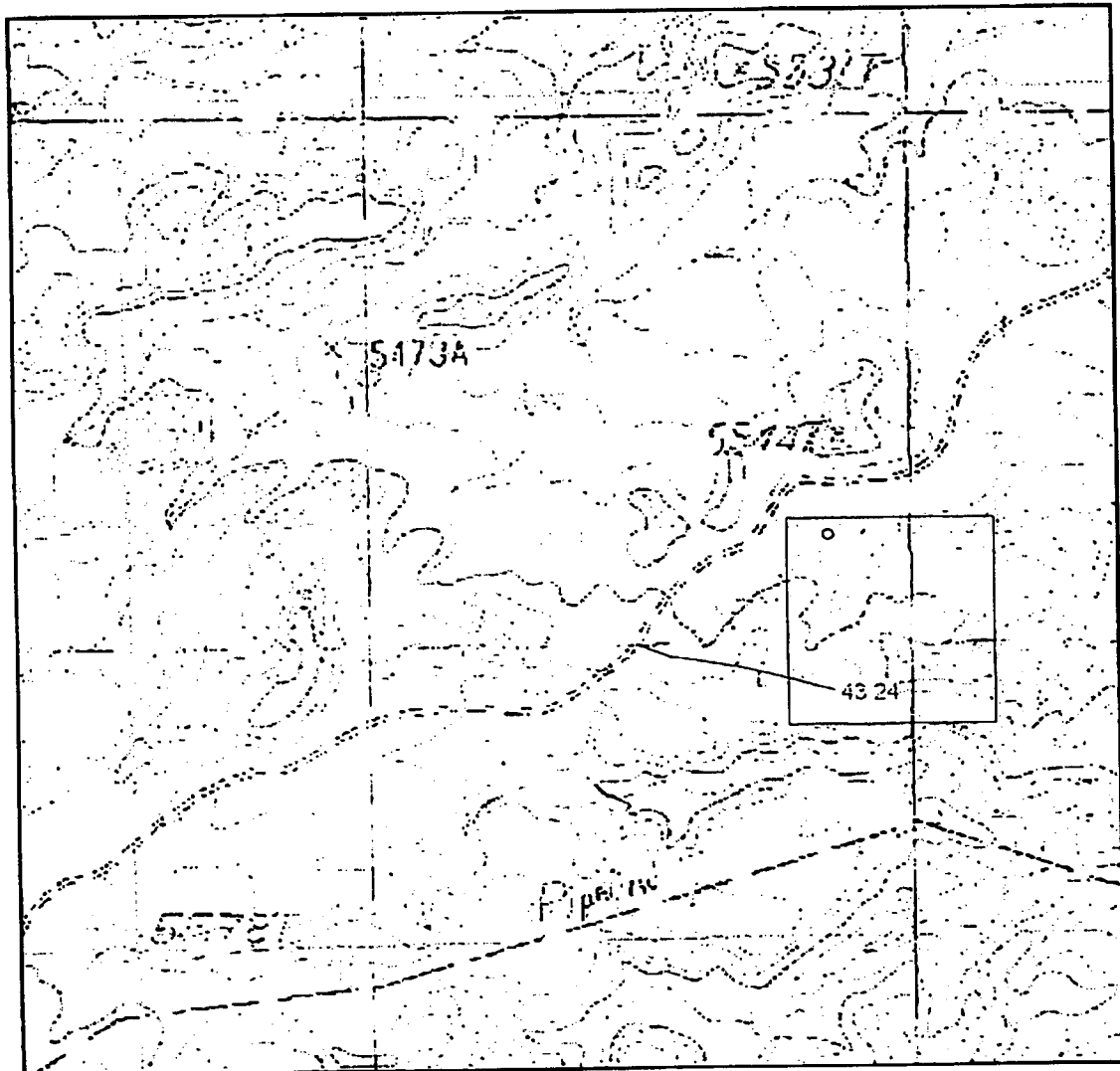


Figure 3. Section 24 (T10S, R17E) with highlighted NE/SE parcel surveyed for paleontological resources. Proposed access and pipeline ROW shown leading to proposed well pad 43-24. Dot in NW corner of parcel is fossil locality Un133V. Crow Knoll, Utah USGS Quadrangle. Scale: 1" = 0.215 miles.

Geological and Paleontological Overview:

The geomorphology of this parcel is comprised of a gently sloping flat cut to the north and south by easterly drainages. The majority of the surface is covered in colluvium, residuum, and soils. Outcrop peeks out from areas on top where the colluvium has been stripped off by erosion. Much of the bedrock is composed of a carbonate-rich siltstone. Mudstones occur somewhat greenish-tan in color. Drainage slopes mostly covered in colluvium except for resistant sandstone ledges. All bedrock is of Uinta Formation.

Survey Findings:

A fossil locality (UN133V) was previously reported within the NW corner of the NE/SE Section 24, by Blaine Phillips in October of 1986 (Fig. 3). Reconnaissance of the area described "... crest of a knoll capped by a pebbly sandstone on a low NW/SW oriented ridge. . ." was found to bear fragments of baenid-type turtle shell. The proposed access road, pipeline, and well pad are at least 1000 feet south of the locality. No other vertebrate or invertebrate fossils were found on the parcel.

Recommendations:

Fossil locality Un133V is clearly safe from the proposed development of access, pipelines, and well pad construction, but we recommend the area be avoided if any future development is proposed within the northwest corner of the parcel. Other than this locality, we find no evidence of fossils, or fossiliferous horizons, that would indicate the need to limit development of a drill pads or access within the rest of the NE/SE section 24.

Conditional Paleo Clearance

Phillips Well: Spring Wash 44-23-5 #1

Location of Project:

A paleontological resources survey was conducted on a forty acre parcel consisting of the SE/SE Section 23 (T10S, R17E) in the USGS Crow Knoll Quadrangle, in Uintah County, Utah (Fig. 4).

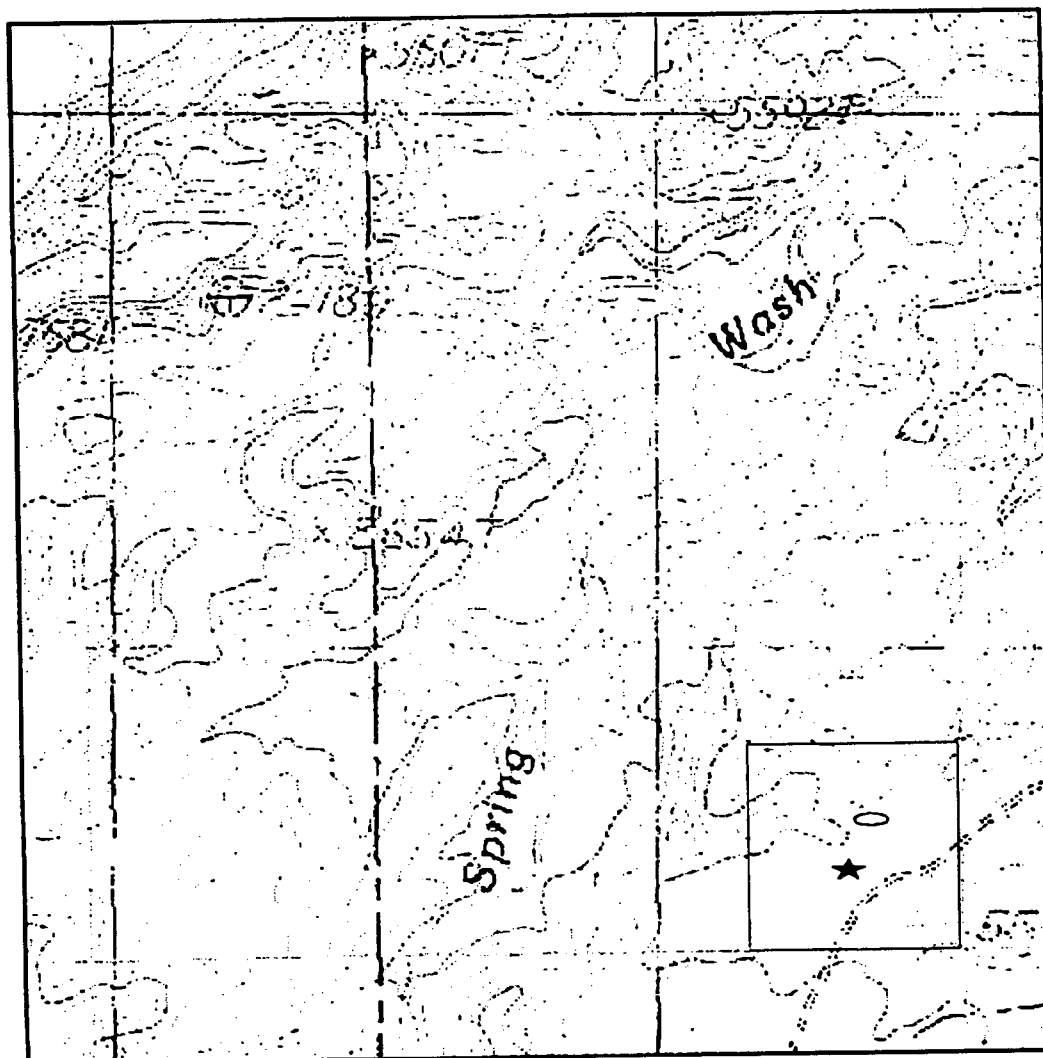


Figure 4. Section 23 (T10S, R17E) with SE/SE parcel highlighted. Star shows location of proposed well 44-23 in relation to fossiliferous horizon (Un1348V) marked by oval. Crow Knoll, Utah, USGS Quadrangle. Scale: 1" = 0.215 miles.

Geological and Paleontological Overview:

The geomorphology of SE/SE Section 23 is fairly flat with a hill within the midwest portion and a general lay of the land draining southeast. Outcrops occur along minor drainages, hills, and locally where resistant silt and sandstone outcrops are superficially exposed, surrounded by alluvium, colluvium, and loess. Some areas in the flats are covered in a pebbly desert-varnished pavement. Weathered bits of turtle shell fragments are not uncommon. Hills are capped by resistant sandstone units. All bedrock is of Uinta Formation and consists of reddish and tan mudstones, rusty limestones and moderate to thick beds of silt and sandstone units.

Survey Findings:

Although turtle shell fragments are not uncommon in the parcel, they are hardly ever concentrated. One locality is the exception (Un1348V). Near the top of a knoll (Fig. 4, orange oval) a horizon of turtle shell fragments occur within, and atop of a green carbonate siltstone, about 0.5 meters below the top of the knoll. Fragments are found circumventing the top of the knoll for a diameter of $25 \pm$ meters north-south, and $36 \pm$ meters east-west. Fragments are weathered and deteriorated, with some embedded within the green siltstone matrix clearly showing the turtle shells were broken prior to burial. Invertebrate burrow casts occur in the vicinity.

Recommendations:

Based on the ground survey, there is one locality on top the ridge (Fig 4) we recommend avoiding. This is an extensive fossil horizon (UTM 588410.1M E 4419678.9M N) littered with turtle shell fragments. Other than this locality, the remainder of the parcel bears no evidence of fossils that would limit development of drill pads or roads within the SE/SE Section 23.

Conditional Paleo Clearance

Phillips Well: Spring Wash 44-22-8 #1

Location of Project:

A paleontological resources survey was conducted on a forty acre parcel consisting of the SE/SE Section 22 (T10S, R17E) and approximately $\frac{1}{2} \pm$ of road access and pipeline right-of-way in the USGS Crow Knoll Quadrangle, in Uintah County, Utah (Fig. 5).

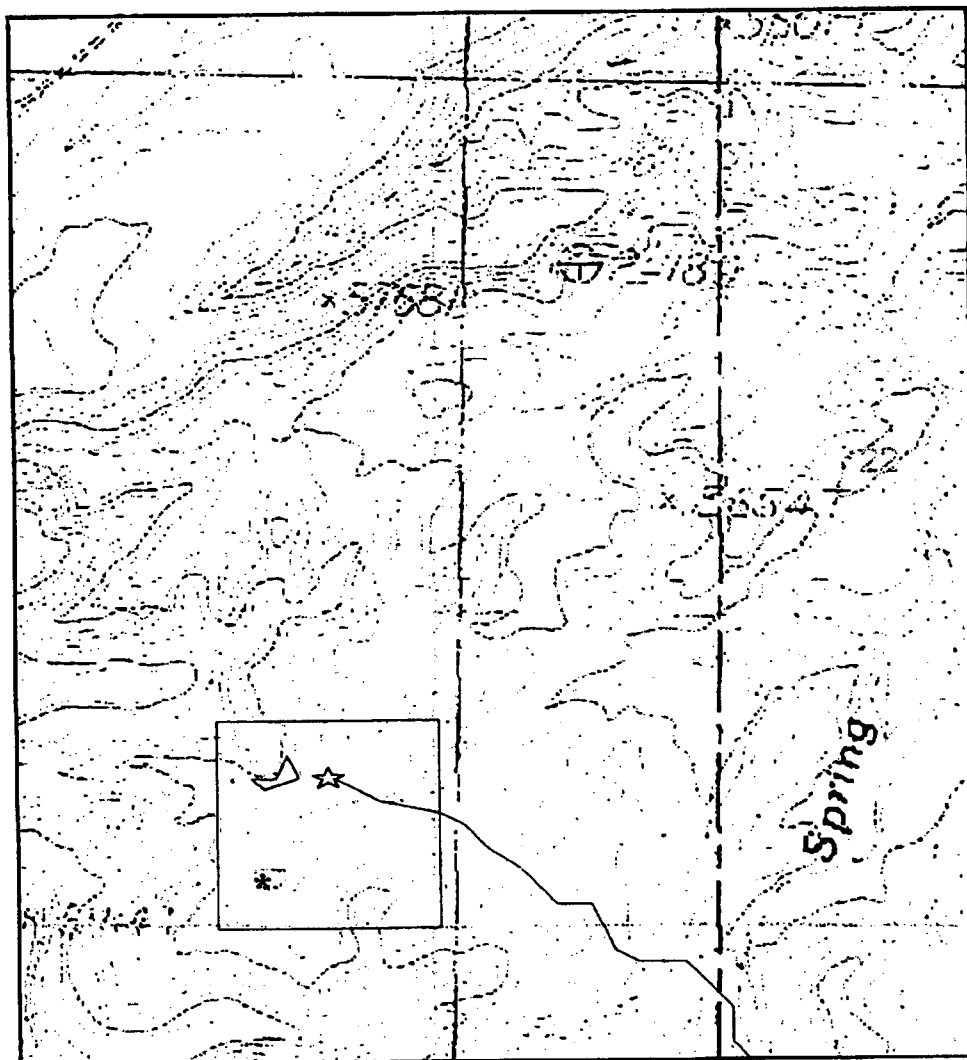


Figure 5. Highlighted SE/SE parcel of Section 22 (T10S, R17E) surveyed for paleontological resources. Fossil mammal locality Un1349V (orange polygon) shown relative to location of proposed well 44-22 (star) and proposed access and pipeline ROW. Turtle scatter marked by (*). Crow Knoll, Utah, USGS Quadrangle. Scale: 1" = 0.215 miles.

Geological and Paleontological Overview:

The bulk of the SE/SE portion of Section 22 consists of a broad drainage area surrounded on the south, west, and north by high ridges. Abundant outcrop occurs on the slopes of the ridges and within the drainage. Exposures of Uinta Formation consists of green, red and brown mudstones and carbonates between laterally extensive brown-tan sandstone units that form resistant ledges. Some sheet-sands are locally riddled with invertebrate burrows.

Survey Findings:

Deteriorated fragments of a baenid(?) turtle shell were found scattered over a 3 meter apron in a light purple mudstone on the west end of a knoll near the southwest corner of the parcel. No source was found.

Titanotherium mammal bones were located along the south east corner of a prominent hill side just west of the proposed drill pad (Fig. 5 & 6) (UTM 586658.0M E 4419688.4M N). Scattered limb fragments, vertebrae, and teeth occur within a yellowish-brown medium to coarse grained deltaic sandstone unit. Most of the bones occur within the sandy slope below the resistant ledge-former, but some bones remain in place.

Recommendations:

Only the mammal locality (Un1349V) is of significant concern. A lath marking corner #4 of the proposed well pad is located to the east and stratigraphically just below the base of the sandy slope of the deltaic sand. It is recommended the well pad does not go beyond this stake.

Conditional Paleoc Clearance

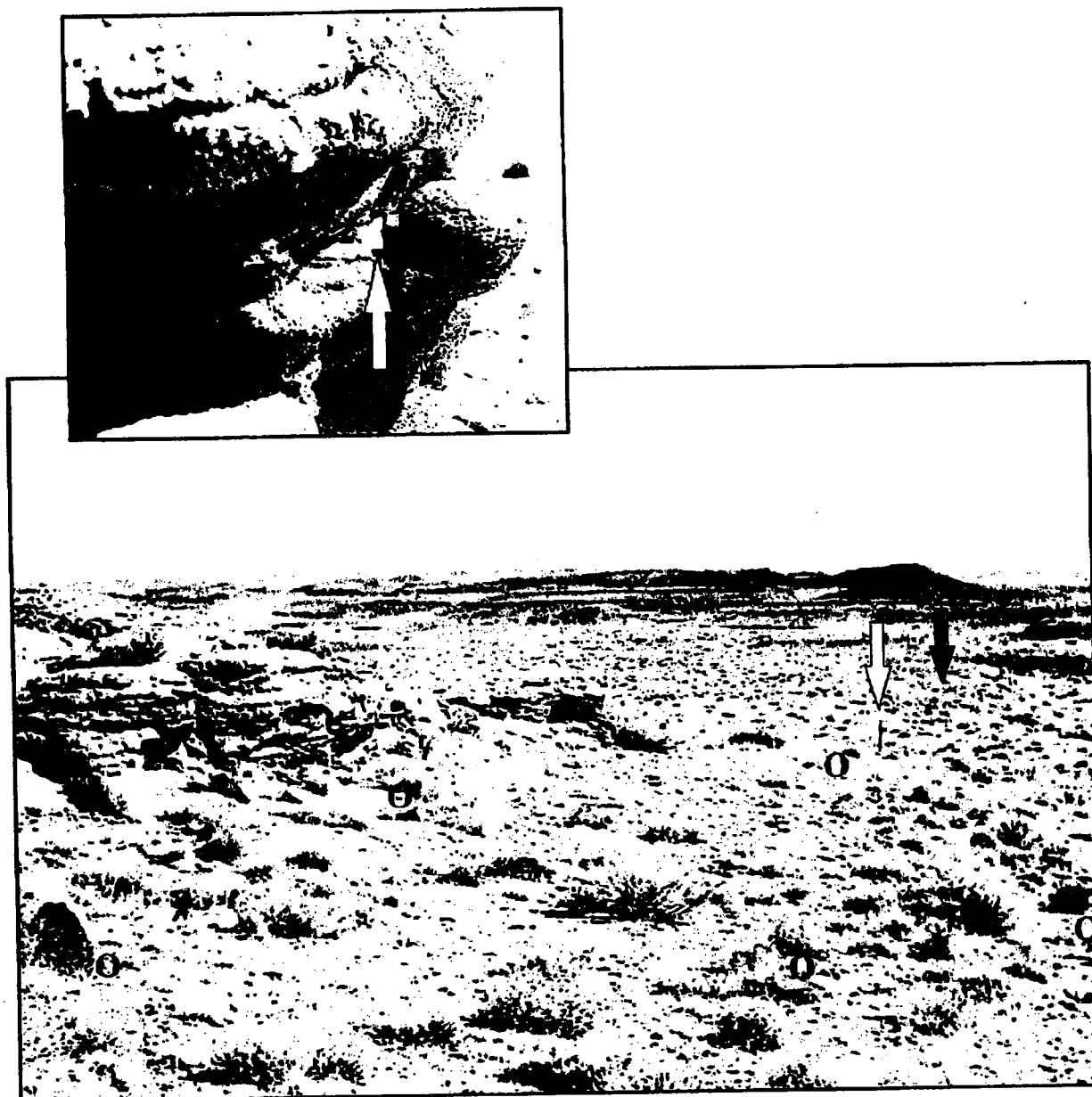


Figure 6. View of titanotherium mammal locality looking east toward proposed well pad. Red arrow pointing to flagged post labeled Phillips Well 44-22. Orange arrow pointing to corner 4 of well pad located at the base of the sandy unit. Blue O's mark several occurrences where mammal bones were collected. Inset photo showing example of bone in place within the sandstone unit. Locality on the southeast end of a ridge within the SE/SE Section 22, Crow Knoll, Utah Quad.

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WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/19/2002

API NO. ASSIGNED: 43-047-34539

WELL NAME: FED 14-18-2 #1

OPERATOR: PHILLIPS PETROLEUM (N1475)

CONTACT: CATHI BOLES

PHONE NUMBER: 303-643-3950

PROPOSED LOCATION:

SWSW 18 100S 180E

SURFACE: 0839 FSL 0465 FWL

BOTTOM: 0839 FSL 0465 FWL

UINTAH

UNDESIGNATED (2)

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74971

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MNCS

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 888912)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. MUNICIPAL)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

☒ R649-2-3. Unit
☒ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
☐ R649-3-3. Exception
☐ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
☐ R649-3-11. Directional Drill

COMMENTS: River Bend Field Sop, Separate file

STIPULATIONS: 1- Fed Approval Required



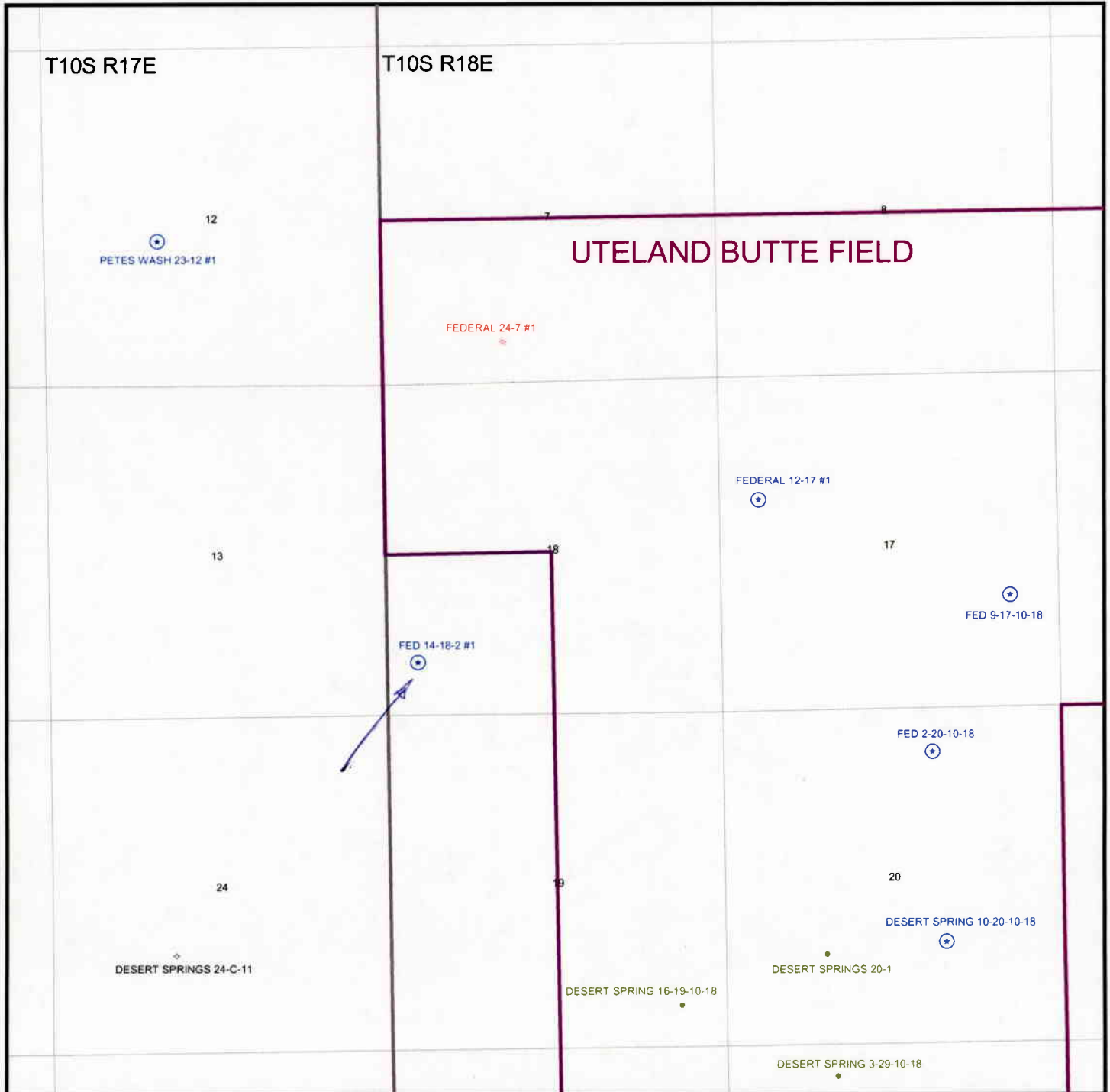
Utah Oil Gas and Mining

OPERATOR: PHILLIPS PETRO CO (N1475)

SEC. 18, T10S, R18E

FIELD: UNDESIGNATED (002)

COUNTY: UINTAH SPACING: R649-3-2/GEN ST



003



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

March 26, 2002

Phillips Petroleum Company
9780 Mt Pyramid Ct, Suite 200
Englewood CO 80112

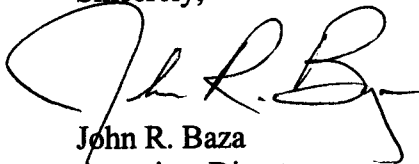
Re: Federal 14-18-2 #1 Well, 839' FSL, 465' FWL, SW SW, Sec. 18, T. 10 South, R. 18 East,
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34539.

Sincerely,



John R. Baza
Associate Director

er

Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Phillips Petroleum Company
Well Name & Number Federal 14-18-2 #1
API Number: 43-047-34539
Lease: UTU-74971

Location: SW SW **Sec.** 18 **T.** 10 South **R.** 18 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

00A

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK **DRILL** ☒ **DEEPEN** ☐
1b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ SINGLE ZONE ☐ MULTIPLE ZONE ☒
WELL ☐ OTHER ☐ ZONE ☐

2. NAME OF OPERATOR
Phillips Petroleum Company
3. ADDRESS OF OPERATOR
9780 Mt. Pyramid Court, Suite 200 Phone: **303-643-3950**
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At Surface **SW SW 839' FSL 465' FWL**
At proposed Prod. Zone **Same**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 27.4 miles southeast of Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to:
465' from nearest lease line
16. NO. OF ACRES IN LEASE
1040
17. NO. OF ACRES ASSIGNED TO THIS WELL
40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.
No other wells on lease
19. PROPOSED DEPTH
12,700'
20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5378.6' GR

22. APPROX. DATE WORK WILL START*
1st QTR 2002

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT

Phillips Petroleum Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.
If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Cathi Boles TITLE HES Clerk DATE 18 Mar 02

(This space for Federal or State office use)

NOTICE OF APPROVAL
PERMIT NO.

CONDITIONS OF APPROVAL ATTACHED
APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [Signature] TITLE Assistant Field Manager Mineral Resources DATE 04/25/2002

RECEIVED

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

APR 29 2002

DIVISION OF
OIL, GAS AND MINING

DOGm

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Phillips Petroleum Company

Well Name & Number: Federal 14-18-2 #1

API Number: 43-047-34539

Lease Number: U - 74971

Location: SWSW Sec. 18 T. 10S R. 18E

Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

DRILLING PROGRAM

Casing Program and Auxiliary Equipment

As a minimum, the usable water and other resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the shallowest potential productive zone.

THERE ARE NO ADDITIONAL CONDITIONS FOR THE SURFACE USE PROGRAM.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

005

ENTITY ACTION FORM

Operator: Phillips Petroleum Company Operator Account Number: N 1475
Address: 9780 Mt. Pyramid Court, Suite 200
city Englewood
state CO zip 80112 Phone Number: (303) 643-3950

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
047-34539	Federal 14-18-2 #1		SWSW	18	10S	18E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	13491	5/15/2002		5-28-02		
Comments: CONFIDENTIAL							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
047-34286	Federal 23-12 #1		NESW	12	10S	17E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	13492	4/4/2002		5-28-02		
Comments: CONFIDENTIAL							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Cathi Boles

Name (Please Print)

Cathi Boles

Signature

HES Clerk

5/23/2002

Title

Date



PHILLIPS PETROLEUM COMPANY

9780 Mt. Pyramid Ct., Suite 200
Englewood, Colorado 80112

May 23, 2002

**Sundry Notice
Federal Well 14-18-2 No. 1**

Carol Daniels
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Dear Ms. Daniels:

Phillips Petroleum Company (Phillips) respectfully submits a Sundry Notice (notice of spud) for Federal Well 14-18-2 No. 1.

Should you have questions or require additional information, please call me at 303-643-3950.

Sincerely,

A handwritten signature in cursive script that reads "Cathi Boles".

Cathi Boles
HES Clerk

Enc.

RECEIVED

MAY 28 2002

**DIVISION OF
OIL, GAS AND MINING**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

CONFIDENTIAL

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-74971
2. Name of Operator PHILLIPS PETROLEUM COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 9780 MT. PYRAMID CT., SUITE 200 ENGLEWOOD, CO 80112		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 303.643.3950 Fx: 303.643.4378		8. Well Name and No. FEDERAL 14-18-2 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) T10SR18E SEC 18		9. API Well No. 43-047-34539
		10. Field and Pool, or Exploratory WILDCAT
		11. County or Parish, and State UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Well Spud
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleting horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleting in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

5-15-02 Spud conductor hole at 10:00am.

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MAY 28 2002
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14. I hereby certify that the foregoing is true and correct. Electronic Submission #11438 verified by the BLM Well Information System For PHILLIPS PETROLEUM COMPANY, sent to the Vernal	
Name (Printed/Typed) CATHI BOLES	Title HES CLERK
Signature <i>Cathi Boles</i> (Electronic Submission)	Date 05/22/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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CONFIDENTIAL



PHILLIPS PETROLEUM COMPANY

9780 Mt. Pyramid Ct., Suite 200
Englewood, Colorado 80112

October 7, 2002

**Completion Report
Federal Well 14-18 No. 1**

Carol Daniels
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Dear Ms. Daniels:

Phillips Petroleum Company (Phillips) respectfully submits a Completion Report (Form 3160-4) for Federal Well 14-18 No. 1.

Should you have questions or require additional information, please call me at 303-643-3950.

Sincerely,

A handwritten signature in cursive script that reads "Cathi Boles".

Cathi Boles
HES Clerk

Enc.

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OCT 08 2002

DIVISION OF
OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.

9. API Well No.	43-047-34539
-----------------	--------------

11. Sec., T., R., M., or Block and Survey
or Area Sec 18 T10S R18E Mer SLB

12. County or Parish UINTAH	13. State UT
--------------------------------	-----------------

17. Elevations (DF, KB, RT, GL)*	5379 GL
----------------------------------	---------

Depth Bridge Plug Set: MD
TVD

Survey? ☒ No ☐ Yes (Submit analysis)

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other _____

b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. _____

Other _____

2. Name of Operator
PHILLIPS PETROLEUM COMPANY

Contact: CATHI BOLES
E-Mail: csboles@ppco.com

3. Address 9780 MT. PYRAMID CT., SUITE 200
ENGLEWOOD, CO 80112

3a. Phone No. (include area code)
Ph: 303.643.3950

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SWSW 839FSL 465FWL

At top prod interval reported below SWSW 839FSL 465FWL

At total depth SWSW 839FSL 465FWL

14. Date Spudded
05/15/2002

15. Date T.D. Reached
07/01/2002

16. Date Completed
☐ D & A ☒ Ready to Prod.
08/29/2002

18. Total Depth:	MD	11350
	TVD	11350

19. Plug Back T.D.:	MD	11020
	TVD	11020

20. Depth Bridge Plug Set:	MD TVD
----------------------------	-----------

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 DLL/MICROSPH FCL, SD/USL, CBL, TEMP LOG - 10-8-82

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
 Was DST run? ☒ No ☐ Yes (Submit analysis)
 Directional Survey? ☒ No ☐ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

[illegible]

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	11013							

25. Producing Intervals



26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) CASTLEGATE 1	11214	11350	9644 TO 9654	0.500	30	
B)			9866 TO 10074	0.320	24	
C)			10533 TO 10686	0.340	24	
D)			10782 TO 10908	0.340	24	

27. Acid Fracture Treatment, Cement Squeeze, Etc.


Depth Interval	Amount and Type of Material
10782 TO 10908	88540 GAL DELTA 25 WITH 80000 LBS OF 20/40 SAND AND 201800 LBS 20/40 PR6000
10533 TO 10686	129089 GAL DELTA 25 WITH 153000 LBS OF 20/40 SAND AND 153000 LBS 20/40 ACFRAC
9866 TO 10074	146054 GAL DELTA 25 WITH 326000 LBS OF 20/40 SAND AND 50000 LBS OF 20/40 ACFRAC
9644 TO 9654	90302 GAL DELTA 25 WITH 180000 LBS OF 20/40 SAND AND 31000 LBS OF 20/40 ACFRAC

28. Production - Interval A

Date First Produced 08/31/2002	Test Date 08/31/2002	Hours Tested 24	Test Production 	Oil BBL 0.0	Gas MCF 924.0	Water BBL 127.0	Oil Gravity Corr. API	Gas Gravity	Production Method FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 2100 SI	Csg. Press. 2450.0	24 Hr. Rate 	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production ▶	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate ▶	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	



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(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #14052 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH MESAVERDE CASTLEGATE 1	4831 8120 11214	8120 11214 11350		WASATCH MESAVERDE CASTLEGATE 1	4831 8120 11214
				<div>RECEIVED</div> <div>OCT 08 2002</div>	

32. Additional remarks (include plugging procedure):
Item #30. Bottom of Castlegate 1 not reached.

DIVISION OF
OIL, GAS AND MINING

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #14052 Verified by the BLM Well Information System.
For PHILLIPS PETROLEUM COMPANY, sent to the Vernal

Name (please print) JEFFREY BALDAUFTitle PETROLEUM ENGINEERSignature (Electronic Submission)Date 10/04/2002

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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Re: Notice of Address Change, Merger and Name Change
Address Change effective **December 2, 2002**
Merger and Name Change effective **December 31, 2002**

9780 W. Pyramid Ct., Ste. 200
Englewood, CO 80112
Divisions of Oil, Gas, and Mining
Attn: Mr. John Baza
1594 West North Temple,
Suite 1210, P. O. Box 145801
Salt Lake City, UT 84114-5801

Gentlemen:

1. Effective December 2, 2002, Phillips Petroleum Company will close its Englewood, Colorado Rocky Mountain Region office. After that time, all correspondence, notices and invoice for Land related matters should be directed to the address(es) noted below. Note that until December 31, 2002, all properties in which Phillips held an interest will continue to be operated by Phillips Petroleum Company, a wholly-owned subsidiary of ConocoPhillips.

2. On December 31, 2002, Phillips Petroleum Company and Conoco Inc. will merge, and the surviving corporation will be renamed "ConocoPhillips Company".

In accordance with the notice provisions of the Operating Agreements and other agreements, if any, between our companies, please adjust your company/organization records, effective for address purposes as of December 2, 2002, and for company name purposes, as of January 1, 2003, to reflect the following information for addressing and delivery of notices, invoicing and payment, and communications with ConocoPhillips Company. This will also apply to Lease Sale notices and other lease-related correspondence and notifications.

U.S. Mail Address:

ConocoPhillips Company
P.O. Box 2197
Houston, Texas 77252
Attn: Chief Landman,
San Juan/Rockies

Physical Address & Overnight Delivery:

ConocoPhillips Company
550 Westlake Park Blvd.
Three Westlake Park
3WL, Room WL 9000
Houston, Texas 77079
Attn: Chief Landman,
San Juan/Rockies

All ballots and official notices/responses sent by facsimile transmission should be sent to the following contact:

Attn: Chief Landman,
San Juan/Rockies

Fax No.: 832-486-2688 or
832-486-2687

Please contact the undersigned immediately if you have any questions. This notice does not apply to royalty inquiries, joint interest billings, or revenue remittances. Please continue to use the same addresses you are currently using for these matters

Sincerely,

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DEC 02 2002

DIVISION OF
OIL, GAS AND MINING

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"CONOCO INC.", A DELAWARE CORPORATION,

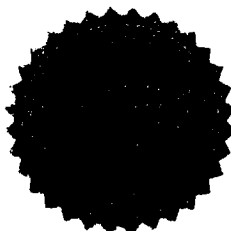
WITH AND INTO "CONOCOPHILLIPS COMPANY" UNDER THE NAME OF "CONOCOPHILLIPS COMPANY", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWELFTH DAY OF DECEMBER, A.D. 2002, AT 1:44 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2002, AT 11:59 O'CLOCK P.M.

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JAN 08 2003

DIV. OF OIL, GAS & MINING



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

0064324 8100M

AUTHENTICATION: 2183370

030002793

DATE: 01-02-03

CERTIFICATE OF MERGER

of

Conoco Inc.
(a Delaware corporation)

with and into

ConocoPhillips Company
(a Delaware corporation)

Phillips Petroleum Company, a Delaware corporation to be renamed ConocoPhillips Company prior to the effective time of this certificate of merger (the "Surviving Corporation"), in compliance with the requirements of the General Corporation Law of the State of Delaware (the "DGCL") and desiring to effect a merger of Conoco Inc., a Delaware corporation formerly incorporated under the name Du Pont Holdings, Inc. (the "Merging Corporation," and together with the Surviving Corporation, the "Constituent Corporations"), with and into the Surviving Corporation, and acting by its duly authorized officer, DOES HEREBY CERTIFY that:

First: As of the date hereof, the name and state of incorporation of each of the Constituent Corporations of the merger are as follows:

<u>NAME</u>	<u>STATE OF INCORPORATION</u>
PHILLIPS PETROLEUM COMPANY	Delaware
CONOCO INC.	Delaware

Second: An agreement and plan of merger has been approved, adopted, certified, executed and acknowledged by each of the Constituent Corporations in accordance with the requirements of Section 251 of the DGCL;

Third: The name of the Surviving Corporation will be ConocoPhillips Company;

Fourth: The Certificate of Incorporation of ConocoPhillips Company immediately prior to the merger shall be the Certificate of Incorporation of the Surviving Corporation until such time as it may be amended in accordance with applicable law and the provisions thereof;

Fifth: The executed agreement and plan of merger is on file at an office of the Surviving Corporation, the address of which is 600 North Dairy Ashford, Houston, Texas 77079;

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DIV. OF OIL, GAS & MINING

Sixth: A copy of the agreement and plan of merger will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of any Constituent Corporation; and

Seventh: Pursuant to Section 103(d) of the DGCL, this certificate of merger will become effective at 11:59 p.m., Eastern time, on December 31, 2002.

Dated: December 12, 2002

PHILLIPS PETROLEUM COMPANY
(a Delaware corporation)

W
By: 
Name: Rick A. Harrington
Title: Senior Vice President, Legal,
and General Counsel

STATE OF UTAH
DEPARTMENT OF COMMERCE
REGISTRATION

CONOCOPHILLIPS COMPANY

EFFECTIVE
06/14/1946

EXPIRATION
*RENEWAL

REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)

Corporation - Foreign - Profit
562960-0143

UNITED STATES CORP CO
CONOCOPHILLIPS COMPANY
GATEWAY TOWER EAST STE 900
10 EAST SOUTH TEMPLE
SLC UT 84133

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DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF COMMERCE
DIVISION OF CORPORATIONS & COMMERCIAL CODE
REGISTRATION

EFFECTIVE DATE: 06/14/1946
EXPIRATION DATE: *RENEWAL
ISSUED TO: CONOCOPHILLIPS COMPANY



REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)

562960-0143 Corporation - Foreign - Profit

*RENEWAL

You will need to renew your registration each anniversary date of the effective date.
Exceptions: DBAs and Business Trusts renew every three (3) years from the effective date.

Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-007-30887-00-00	ANDREEN 32-529	Gas Well	APD	32	14	S	10	E
43-007-30865-00-00	COTNER 29-549	Gas Well	APD	29	14	S	10	E
43-007-30837-00-00	DALLIN 32-615	Gas Well	APD	32	13	S	9	E
43-047-34551-00-00	FED 43-24-3 #1	Gas Well	APD	24	10	S	17	E
43-047-33982-00-00	FEDERAL 12-17 #1	Gas Well	APD	17	10	S	18	E
43-047-34471-00-00	FEDERAL 12-29-7 1	Gas Well	APD	29	9	S	19	E
43-047-34472-00-00	FEDERAL 31-31-6 1	Gas Well	APD	31	9	S	19	E
43-007-30864-00-00	MCKENDRICK 29-548	Gas Well	APD	29	14	S	10	E
43-015-30512-00-00	PPCO 19-379	Gas Well	APD	19	16	S	9	E
43-015-30515-00-00	PPCO 24-562	Gas Well	APD	24	16	S	8	E
43-015-30548-00-00	PPCO 30-605	Gas Well	APD	30	16	S	9	E
43-007-30888-00-00	PRICE 32-438	Gas Well	APD	32	14	S	10	E
43-007-30813-00-00	RITZAKIS 33-514	Gas Well	APD	33	13	S	9	E
43-007-30766-00-00	RITZAKIS 33-516	Gas Well	APD	33	13	S	9	E
43-007-30838-00-00	ROWLEY 32-616	Gas Well	APD	32	13	S	9	E
43-007-30863-00-00	SCHMIDT 29-531	Gas Well	APD	29	14	S	10	E
43-007-30797-00-00	SEELY 15-498	Gas Well	APD	15	14	S	8	E
43-007-30798-00-00	SEELY 15-499	Gas Well	APD	15	14	S	8	E
43-007-30799-00-00	SEELY 15-500	Gas Well	APD	15	14	S	8	E
43-007-30796-00-00	SEELY 22-492	Gas Well	APD	22	14	S	8	E
43-007-30801-00-00	SEELY 22-502	Gas Well	APD	22	14	S	8	E
43-007-30802-00-00	SEELY 22-503	Gas Well	APD	22	14	S	8	E
43-007-30711-00-00	USA 09-452	Gas Well	APD	9	15	S	8	E
43-015-30351-00-00	USA 11-313	Gas Well	APD	11	16	S	9	E
43-015-30398-00-00	USA 12-385	Gas Well	APD	12	16	S	9	E
43-015-30409-00-00	USA 12-426	Gas Well	APD	12	16	S	9	E
43-007-30805-00-00	USA 14-490	Gas Well	APD	14	14	S	8	E
43-007-30806-00-00	USA 14-491	Gas Well	APD	14	14	S	8	E
43-007-30676-00-00	USA 15-421	Gas Well	APD	15	15	S	8	E
43-015-30417-00-00	USA 21-427	Gas Well	APD	21	16	S	9	E
43-015-30416-00-00	USA 21-428	Gas Well	APD	21	16	S	9	E
43-015-30415-00-00	USA 21-429	Gas Well	APD	21	16	S	9	E
43-007-30515-00-00	USA 31-309	Gas Well	APD	31	15	S	10	E
43-007-30835-00-00	USA 33-515	Gas Well	APD	33	13	S	9	E
43-007-30836-00-00	USA 33-624	Gas Well	APD	33	13	S	9	E
43-007-30803-00-00	USA 34-518	Gas Well	APD	34	14	S	8	E
43-007-30478-00-00	UTAH 05-224	Gas Well	APD	5	15	S	9	E
43-015-30411-00-00	UTAH 16-365	Gas Well	APD	16	16	S	9	E
43-015-30412-00-00	UTAH 16-366	Gas Well	APD	16	16	S	9	E
43-015-30413-00-00	UTAH 16-430	Gas Well	APD	16	16	S	9	E
43-015-30299-00-00	UTAH 18-374	Gas Well	APD	18	16	S	9	E
43-015-30420-00-00	UTAH 19-377	Gas Well	APD	19	16	S	9	E
43-015-30492-00-00	UTAH 19-378	Gas Well	APD	19	16	S	9	E
43-007-30891-00-00	UTAH 19-533	Gas Well	APD	19	14	S	10	E
43-015-30414-00-00	UTAH 20-381	Gas Well	APD	20	16	S	9	E
43-015-30421-00-00	UTAH 20-382	Gas Well	APD	20	16	S	9	E
43-015-30518-00-00	UTAH 25-576	Gas Well	APD	25	16	S	8	E
43-015-30539-00-00	UTAH 25-578	Gas Well	APD	25	16	S	8	E
43-015-30540-00-00	UTAH 25-579	Gas Well	APD	25	16	S	8	E
43-007-30817-00-00	UTAH 25-618	Gas Well	APD	25	13	S	9	E
43-015-30543-00-00	UTAH 26-582	Gas Well	APD	26	16	S	8	E
43-015-30547-00-00	UTAH 29-608	Gas Well	APD	29	16	S	9	E
43-007-30889-00-00	UTAH 32-128	Gas Well	APD	32	14	S	10	E
43-007-30814-00-00	UTAH 35-506	Gas Well	APD	35	13	S	9	E

Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-047-33750-00-00	FEDERAL 34-29	Gas Well	P	29	9 S		19 E	
43-007-30782-00-00	GAROFOLA 26-482	Gas Well	P	26	15 S		8 E	
43-007-30335-00-00	GIACOLETTO 11-113	Gas Well	P	11	14 S		9 E	
43-007-30407-00-00	GIACOLETTO 13-120	Gas Well	P	13	14 S		9 E	
43-007-30345-00-00	GIACOLETTO 14-121	Gas Well	P	14	14 S		9 E	
43-007-30487-00-00	HELPER & ASSOC 07-307	Gas Well	P	7	15 S		9 E	
43-007-30459-00-00	HELPER & ASSOC 18-236	Gas Well	P	18	15 S		9 E	
43-007-30720-00-00	HELPER & ASSOC 18-308	Gas Well	P	18	15 S		9 E	
43-007-30412-00-00	HELPER & ASSOC 8-232	Gas Well	P	8	15 S		9 E	
43-007-30258-00-00	HELPER & ASSOCIATES 7-84	Gas Well	P	7	15 S		9 E	
43-007-30588-00-00	JENSEN 16-132	Gas Well	P	16	15 S		10 E	
43-007-30420-00-00	KAKATSIDES 31-197	Gas Well	P	31	14 S		9 E	
43-007-30296-00-00	LDS 17-133	Gas Well	P	17	15 S		10 E	
43-007-30323-00-00	PAAR 16-146	Gas Well	P	16	14 S		9 E	
43-047-34286-00-00	PETES WASH 23-12 #1	Gas Well	P	12	10 S		17 E	
43-007-30748-00-00	PIERUCCI 25-461	Gas Well	P	25	15 S		8 E	
43-007-30749-00-00	PIERUCCI 25-462	Gas Well	P	25	15 S		8 E	
43-007-30754-00-00	PIERUCCI 26-463	Gas Well	P	26	15 S		8 E	
43-007-30755-00-00	PIERUCCI 26-464	Gas Well	P	26	15 S		8 E	
43-007-30745-00-00	PIERUCCI 26-481	Gas Well	P	26	15 S		8 E	
43-007-30117-00-00	PINNACLE PEAK 19-171	Gas Well	P	19	14 S		9 E	
43-007-30845-00-00	PMC 10-526	Gas Well	P	10	15 S		8 E	
43-007-30282-00-00	POWELL 19-104	Gas Well	P	19	15 S		10 E	
43-007-30283-00-00	POWELL 19-105	Gas Well	P	19	15 S		10 E	
43-007-30346-00-00	POWELL 30-173	Gas Well	P	30	15 S		10 E	
43-015-30279-00-00	PPCO 10-557	Gas Well	P	10	16 S		8 E	
43-015-30494-00-00	PPCO 15-555	Gas Well	P	15	16 S		8 E	
43-007-30211-00-00	PRETTYMAN 10-15-34	Gas Well	P	10	14 S		9 E	
43-007-30340-00-00	PRETTYMAN 11-114	Gas Well	P	11	14 S		9 E	
43-007-30653-00-00	RGC 21-331	Gas Well	P	21	15 S		9 E	
43-007-30743-00-00	RGC 21-332	Gas Well	P	21	15 S		9 E	
43-007-30747-00-00	RGC 25-460	Gas Well	P	25	15 S		8 E	
43-007-30559-00-00	RGC 28-318	Gas Well	P	28	15 S		9 E	
43-007-30518-00-00	RGC 28-319	Gas Well	P	28	15 S		9 E	
43-007-30509-00-00	RITZAKIS 03-408	Gas Well	P	3	14 S		9 E	
43-007-30473-00-00	RITZAKIS 5-304	Gas Well	P	5	14 S		9 E	
43-007-30474-00-00	RITZAKIS 5-305	Gas Well	P	5	14 S		9 E	
43-007-30475-00-00	RITZAKIS 8-298	Gas Well	P	8	14 S		9 E	
43-007-30479-00-00	RITZAKIS 8-299	Gas Well	P	8	14 S		9 E	
43-007-30476-00-00	RITZAKIS 8-300	Gas Well	P	8	14 S		9 E	
43-007-30374-00-00	ROBERTSON 32-127	Gas Well	P	32	14 S		10 E	
43-007-30610-00-00	SAMPINOS 16-131	Gas Well	P	16	15 S		10 E	
43-007-30723-00-00	SAMPINOS 16-454	Gas Well	P	16	15 S		10 E	
43-007-30765-00-00	SAMPINOS 16-521	Gas Well	P	16	15 S		10 E	
43-007-30800-00-00	SEELY 22-501	Gas Well	P	22	14 S		8 E	
43-007-30130-00-00	ST OF UT 25-9-1	Gas Well	P	25	14 S		9 E	
43-007-30142-00-00	ST OF UT 36-3-4	Gas Well	P	36	14 S		9 E	
43-007-30116-00-00	STELLA-HAMAKER 10-174	Gas Well	P	10	15 S		8 E	
43-007-30746-00-00	TABOR 23-468	Gas Well	P	23	15 S		8 E	
43-007-30319-00-00	TELONIS 15-142	Gas Well	P	15	14 S		9 E	
43-007-30322-00-00	TELONIS 16-145	Gas Well	P	16	14 S		9 E	
43-007-30300-00-00	TELONIS 19-150	Gas Well	P	19	14 S		9 E	
43-007-30299-00-00	TELONIS 19-151	Gas Well	P	19	14 S		9 E	
43-007-30327-00-00	TELONIS 20-152	Gas Well	P	20	14 S		9 E	

Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-007-30631-00-00	USA 13-419	Gas Well	P	13	15	S	8	E
43-007-30707-00-00	USA 13-447	Gas Well	P	13	14	S	8	E
43-007-30706-00-00	USA 13-470	Gas Well	P	13	14	S	8	E
43-007-30789-00-00	USA 13-474	Gas Well	P	13	14	S	8	E
43-007-30790-00-00	USA 13-475	Gas Well	P	13	14	S	8	E
43-007-30568-00-00	USA 13-91	Gas Well	P	13	14	S	9	E
43-007-30404-00-00	USA 14-122	Gas Well	P	14	14	S	9	E
43-015-30418-00-00	USA 1-425	Gas Well	P	1	16	S	9	E
43-007-30579-00-00	USA 14-325	Gas Well	P	14	15	S	8	E
43-007-30634-00-00	USA 14-386	Gas Well	P	14	15	S	8	E
43-007-30646-00-00	USA 14-416	Gas Well	P	14	15	S	8	E
43-007-30647-00-00	USA 14-417	Gas Well	P	14	15	S	8	E
43-007-30791-00-00	USA 14-476	Gas Well	P	14	14	S	8	E
43-007-30792-00-00	USA 14-477	Gas Well	P	14	14	S	8	E
43-007-30529-00-00	USA 14-74	Gas Well	P	14	14	S	9	E
43-007-30263-00-00	USA 14-75	Gas Well	P	14	14	S	9	E
43-007-30450-00-00	USA 15-176	Gas Well	P	15	14	S	9	E
43-007-30423-00-00	USA 15-177	Gas Well	P	15	14	S	9	E
43-007-30690-00-00	USA 15-420	Gas Well	P	15	15	S	8	E
43-007-30691-00-00	USA 15-422	Gas Well	P	15	15	S	8	E
43-007-30264-00-00	USA 15-88	Gas Well	P	15	14	S	9	E
43-007-30422-00-00	USA 17-179	Gas Well	P	17	14	S	9	E
43-007-30622-00-00	USA 17-180A	Gas Well	P	17	14	S	9	E
43-007-30618-00-00	USA 18-181	Gas Well	P	18	14	S	9	E
43-007-30417-00-00	USA 18-182	Gas Well	P	18	14	S	9	E
43-007-30619-00-00	USA 18-435	Gas Well	P	18	14	S	9	E
43-007-30393-00-00	USA 19-222	Gas Well	P	19	15	S	10	E
43-007-30392-00-00	USA 19-73	Gas Well	P	19	15	S	10	E
43-007-30448-00-00	USA 20-287	Gas Well	P	20	15	S	10	E
43-007-30451-00-00	USA 20-288	Gas Well	P	20	15	S	10	E
43-007-30590-00-00	USA 20-398	Gas Well	P	20	15	S	10	E
43-007-30591-00-00	USA 20-399	Gas Well	P	20	15	S	10	E
43-007-30424-00-00	USA 21-184	Gas Well	P	21	14	S	9	E
43-007-30425-00-00	USA 21-35	Gas Well	P	21	14	S	9	E
43-007-30426-00-00	USA 22-185	Gas Well	P	22	14	S	9	E
43-007-30477-00-00	USA 22-186	Gas Well	P	22	14	S	9	E
43-007-30700-00-00	USA 22-466	Gas Well	P	22	15	S	8	E
43-007-30611-00-00	USA 23-423	Gas Well	P	23	14	S	8	E
43-007-30650-00-00	USA 23-445	Gas Well	P	23	15	S	8	E
43-007-30704-00-00	USA 23-451	Gas Well	P	23	15	S	8	E
43-007-30503-00-00	USA 23-467	Gas Well	P	23	15	S	8	E
43-007-30793-00-00	USA 23-478	Gas Well	P	23	14	S	8	E
43-007-30794-00-00	USA 23-479	Gas Well	P	23	14	S	8	E
43-007-30795-00-00	USA 23-480	Gas Well	P	23	14	S	8	E
43-007-30469-00-00	USA 24-183	Gas Well	P	24	14	S	8	E
43-007-30612-00-00	USA 24-387	Gas Well	P	24	14	S	8	E
43-007-30613-00-00	USA 24-388	Gas Well	P	24	14	S	8	E
43-007-30651-00-00	USA 24-443	Gas Well	P	24	15	S	8	E
43-007-30648-00-00	USA 24-444	Gas Well	P	24	15	S	8	E
43-007-30708-00-00	USA 24-446	Gas Well	P	24	14	S	8	E
43-007-30652-00-00	USA 24-448	Gas Well	P	24	15	S	8	E
43-007-30705-00-00	USA 24-449	Gas Well	P	24	15	S	8	E
43-007-30505-00-00	USA 25-459	Gas Well	P	25	15	S	8	E
43-007-30614-00-00	USA 26-393	Gas Well	P	26	14	S	8	E

Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-007-30430-00-00	UTAH 06-223	Gas Well	P	6	15	S	9	E
43-007-30562-00-00	UTAH 06-330	Gas Well	P	6	15	S	9	E
43-007-30716-00-00	UTAH 06-483	Gas Well	P	6	15	S	9	E
43-007-30409-00-00	UTAH 07-234	Gas Well	P	7	15	S	9	E
43-007-30421-00-00	UTAH 07-235	Gas Well	P	7	15	S	9	E
43-007-30411-00-00	UTAH 08-231	Gas Well	P	8	15	S	9	E
43-007-30488-00-00	UTAH 08-233	Gas Well	P	8	15	S	9	E
43-015-30464-00-00	UTAH 08-354	Gas Well	P	8	16	S	9	E
43-015-30378-00-00	UTAH 08-355	Gas Well	P	8	16	S	9	E
43-015-30379-00-00	UTAH 08-356	Gas Well	P	8	16	S	9	E
43-015-30380-00-00	UTAH 08-357	Gas Well	P	8	16	S	9	E
43-007-30449-00-00	UTAH 09-227	Gas Well	P	9	15	S	9	E
43-007-30561-00-00	UTAH 09-329	Gas Well	P	9	15	S	9	E
43-015-30300-00-00	UTAH 09-358	Gas Well	P	9	16	S	9	E
43-015-30407-00-00	UTAH 09-359	Gas Well	P	9	16	S	9	E
43-015-30397-00-00	UTAH 09-360	Gas Well	P	9	16	S	9	E
43-015-30408-00-00	UTAH 09-361	Gas Well	P	9	16	S	9	E
43-007-30580-00-00	UTAH 09-412	Gas Well	P	9	15	S	10	E
43-007-30605-00-00	UTAH 09-413	Gas Well	P	9	15	S	10	E
43-007-30657-00-00	UTAH 09-450	Gas Well	P	9	15	S	10	E
43-007-30722-00-00	UTAH 09-453	Gas Well	P	9	15	S	10	E
43-007-30302-00-00	UTAH 10-01-36	Gas Well	P	10	15	S	9	E
43-007-30298-00-00	UTAH 10-219	Gas Well	P	10	15	S	9	E
43-007-30432-00-00	UTAH 10-220	Gas Well	P	10	15	S	9	E
43-007-30303-00-00	UTAH 10-221	Gas Well	P	10	15	S	9	E
43-007-30228-00-00	UTAH 11-50	Gas Well	P	11	15	S	9	E
43-007-30229-00-00	UTAH 11-51	Gas Well	P	11	15	S	9	E
43-007-30230-00-00	UTAH 11-52	Gas Well	P	11	15	S	9	E
43-007-30231-00-00	UTAH 11-53	Gas Well	P	11	15	S	9	E
43-007-30467-00-00	UTAH 1-209	Gas Well	P	1	15	S	8	E
43-007-30210-00-00	UTAH 12-15-37	Gas Well	P	12	15	S	9	E
43-007-30232-00-00	UTAH 12-54	Gas Well	P	12	15	S	9	E
43-007-30233-00-00	UTAH 12-55	Gas Well	P	12	15	S	9	E
43-007-30234-00-00	UTAH 12-56	Gas Well	P	12	15	S	9	E
43-015-30493-00-00	UTAH 13-376	Gas Well	P	13	16	S	8	E
43-015-30301-00-00	UTAH 13-550	Gas Well	P	13	16	S	8	E
43-007-30243-00-00	UTAH 13-65	Gas Well	P	13	15	S	9	E
43-007-30244-00-00	UTAH 13-66	Gas Well	P	13	15	S	9	E
43-007-30245-00-00	UTAH 13-67	Gas Well	P	13	15	S	9	E
43-007-30246-00-00	UTAH 13-68	Gas Well	P	13	15	S	9	E
43-007-30439-00-00	UTAH 13-92	Gas Well	P	13	14	S	9	E
43-007-30220-00-00	UTAH 1-42	Gas Well	P	1	15	S	9	E
43-007-30221-00-00	UTAH 1-43	Gas Well	P	1	15	S	9	E
43-007-30222-00-00	UTAH 1-44	Gas Well	P	1	15	S	9	E
43-007-30223-00-00	UTAH 1-45	Gas Well	P	1	15	S	9	E
43-015-30330-00-00	UTAH 14-551	Gas Well	P	14	16	S	8	E
43-015-30331-00-00	UTAH 14-552	Gas Well	P	14	16	S	8	E
43-007-30239-00-00	UTAH 14-61	Gas Well	P	14	15	S	9	E
43-007-30240-00-00	UTAH 14-62	Gas Well	P	14	15	S	9	E
43-007-30241-00-00	UTAH 14-63	Gas Well	P	14	15	S	9	E
43-007-30242-00-00	UTAH 14-64	Gas Well	P	14	15	S	9	E
43-015-30334-00-00	UTAH 15-553	Gas Well	P	15	16	S	8	E
43-007-30416-00-00	UTAH 17-101	Gas Well	P	17	15	S	10	E
43-007-30277-00-00	UTAH 17-102	Gas Well	P	17	15	S	10	E

Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-007-30255-00-00	UTAH 24-80	Gas Well	P	24	15	S	9	E
43-007-30256-00-00	UTAH 24-81	Gas Well	P	24	15	S	9	E
43-007-30267-00-00	UTAH 24-86	Gas Well	P	24	15	S	9	E
43-007-30375-00-00	UTAH 24-87	Gas Well	P	24	15	S	9	E
43-007-30227-00-00	UTAH 2-49	Gas Well	P	2	15	S	9	E
43-007-30157-00-00	UTAH 25-11-7	Gas Well	P	25	14	S	9	E
43-007-30399-00-00	UTAH 25-134	Gas Well	P	25	15	S	9	E
43-007-30400-00-00	UTAH 25-252	Gas Well	P	25	15	S	9	E
43-007-30401-00-00	UTAH 25-253	Gas Well	P	25	15	S	9	E
43-007-30402-00-00	UTAH 25-254	Gas Well	P	25	15	S	9	E
43-007-30600-00-00	UTAH 25-389	Gas Well	P	25	14	S	8	E
43-007-30599-00-00	UTAH 25-390	Gas Well	P	25	14	S	8	E
43-007-30658-00-00	UTAH 25-391	Gas Well	P	25	14	S	8	E
43-007-30602-00-00	UTAH 25-392	Gas Well	P	25	14	S	8	E
43-007-30206-00-00	UTAH 25-4-33	Gas Well	P	25	14	S	9	E
43-015-30519-00-00	UTAH 25-577	Gas Well	P	25	16	S	8	E
43-007-30156-00-00	UTAH 25-7-6	Gas Well	P	25	14	S	9	E
43-007-30204-00-00	UTAH 26-11-25	Gas Well	P	26	14	S	9	E
43-007-30205-00-00	UTAH 26-1-23	Gas Well	P	26	14	S	9	E
43-007-30181-00-00	UTAH 26-16-8	Gas Well	P	26	14	S	9	E
43-007-30446-00-00	UTAH 26-255	Gas Well	P	26	15	S	9	E
43-007-30445-00-00	UTAH 26-256	Gas Well	P	26	15	S	9	E
43-007-30444-00-00	UTAH 26-257	Gas Well	P	26	15	S	9	E
43-007-30514-00-00	UTAH 26-267	Gas Well	P	26	15	S	9	E
43-015-30541-00-00	UTAH 26-580	Gas Well	P	26	16	S	8	E
43-015-30542-00-00	UTAH 26-581	Gas Well	P	26	16	S	8	E
43-015-30544-00-00	UTAH 26-583	Gas Well	P	26	16	S	8	E
43-007-30202-00-00	UTAH 26-6-24	Gas Well	P	26	14	S	9	E
43-007-30395-00-00	UTAH 27-187	Gas Well	P	27	14	S	9	E
43-007-30292-00-00	UTAH 27-188	Gas Well	P	27	14	S	9	E
43-007-30457-00-00	UTAH 27-268	Gas Well	P	27	15	S	9	E
43-007-30458-00-00	UTAH 27-269	Gas Well	P	27	15	S	9	E
43-007-30712-00-00	UTAH 27-457	Gas Well	P	27	14	S	8	E
43-007-30714-00-00	UTAH 27-458	Gas Well	P	27	14	S	8	E
43-007-30777-00-00	UTAH 27-520	Gas Well	P	27	14	S	8	E
43-015-30545-00-00	UTAH 27-584	Gas Well	P	27	16	S	8	E
43-007-30193-00-00	UTAH 27-8-29	Gas Well	P	27	14	S	9	E
43-007-30186-00-00	UTAH 27-9-30	Gas Well	P	27	14	S	9	E
43-007-30396-00-00	UTAH 28-189	Gas Well	P	28	14	S	9	E
43-007-30397-00-00	UTAH 28-190	Gas Well	P	28	14	S	9	E
43-007-30293-00-00	UTAH 28-191	Gas Well	P	28	14	S	9	E
43-007-30294-00-00	UTAH 28-192	Gas Well	P	28	14	S	9	E
43-007-30551-00-00	UTAH 28-320	Gas Well	P	28	15	S	9	E
43-007-30560-00-00	UTAH 28-321	Gas Well	P	28	15	S	9	E
43-007-30405-00-00	UTAH 29-193	Gas Well	P	29	14	S	9	E
43-007-30427-00-00	UTAH 29-194	Gas Well	P	29	14	S	9	E
43-007-30739-00-00	UTAH 29-339	Gas Well	P	29	15	S	9	E
43-007-30740-00-00	UTAH 29-340	Gas Well	P	29	15	S	9	E
43-007-30741-00-00	UTAH 29-341	Gas Well	P	29	15	S	9	E
43-007-30742-00-00	UTAH 29-342	Gas Well	P	29	15	S	9	E
43-007-30262-00-00	UTAH 30-125	Gas Well	P	30	14	S	10	E
43-007-30185-00-00	UTAH 30-13-14	Gas Well	P	30	14	S	10	E
43-007-30265-00-00	UTAH 30-195	Gas Well	P	30	14	S	9	E
43-007-30344-00-00	UTAH 30-196	Gas Well	P	30	14	S	9	E

Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-007-30178-00-00	UTAH 36-1-2	Gas Well	P	36	14	S	9	E
43-007-30341-00-00	UTAH 36-135	Gas Well	P	36	15	S	9	E
43-007-30343-00-00	UTAH 36-136	Gas Well	P	36	15	S	9	E
43-007-30342-00-00	UTAH 36-137	Gas Well	P	36	15	S	9	E
43-007-30315-00-00	UTAH 36-162	Gas Well	P	36	14	S	8	E
43-007-30316-00-00	UTAH 36-163	Gas Well	P	36	14	S	8	E
43-007-30317-00-00	UTAH 36-164	Gas Well	P	36	14	S	8	E
43-007-30318-00-00	UTAH 36-165	Gas Well	P	36	14	S	8	E
43-007-30144-00-00	UTAH 36-9-5	Gas Well	P	36	14	S	9	E
43-015-30341-00-00	UTAH 4-280	Gas Well	P	4	16	S	9	E
43-015-30342-00-00	UTAH 4-282	Gas Well	P	4	16	S	9	E
43-007-30384-00-00	UTAH 5-205	Gas Well	P	5	15	S	9	E
43-007-30269-00-00	UTAH 5-94	Gas Well	P	5	15	S	10	E
43-007-30270-00-00	UTAH 5-95	Gas Well	P	5	15	S	10	E
43-007-30271-00-00	UTAH 5-96	Gas Well	P	5	15	S	10	E
43-007-30217-00-00	UTAH 6-38	Gas Well	P	6	15	S	10	E
43-007-30218-00-00	UTAH 6-39	Gas Well	P	6	15	S	10	E
43-007-30219-00-00	UTAH 6-40	Gas Well	P	6	15	S	10	E
43-007-30254-00-00	UTAH 6-41	Gas Well	P	6	15	S	10	E
43-007-30235-00-00	UTAH 7-57	Gas Well	P	7	15	S	10	E
43-007-30236-00-00	UTAH 7-58	Gas Well	P	7	15	S	10	E
43-007-30237-00-00	UTAH 7-59	Gas Well	P	7	15	S	10	E
43-007-30238-00-00	UTAH 7-60	Gas Well	P	7	15	S	10	E
43-007-30275-00-00	UTAH 8-100	Gas Well	P	8	15	S	10	E
43-007-30410-00-00	UTAH 8-230	Gas Well	P	8	15	S	9	E
43-007-30272-00-00	UTAH 8-97	Gas Well	P	8	15	S	10	E
43-007-30285-00-00	UTAH 8-98X	Gas Well	P	8	15	S	10	E
43-007-30274-00-00	UTAH 8-99	Gas Well	P	8	15	S	10	E
43-007-30413-00-00	UTAH 9-228	Gas Well	P	9	15	S	9	E
43-007-30414-00-00	UTAH 9-229	Gas Well	P	9	15	S	9	E
43-007-30279-00-00	WILLIAMS 30-78	Gas Well	P	30	14	S	10	E
43-007-30481-00-00	WOOLSTENHULME 05-266	Gas Well	P	5	15	S	10	E
43-015-30250-00-00	UTAH 16-110	Gas Well	Shut_In	16	16	S	9	E

If you have any questions, please contact Bill Forbes at 703-440-1536.

S/W. Herbert B. Forbes

Wilbert B. Forbes
Land Law Examiner
Branch of Use Authorization
Division of Resources Planning, Use
and Protection

cc: JFO, BLM State Offices, MMS, ES RF, 930 RF, ES-932:
Bforbes:wbf:01/16/03:440-1536/ConocoPhillips Co

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>All</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 980 Plaza Office CITY <u>Bartlesville</u> STATE <u>OK</u> ZIP <u>74004</u>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See Attached List</u>		8. WELL NAME and NUMBER: <u>See Attached List</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u></u>		9. API NUMBER: <u>See List</u>
COUNTY: <u></u>		10. FIELD AND POOL, OR WILDCAT:
STATE: <u>UTAH</u>		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

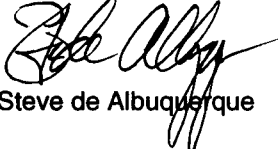
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

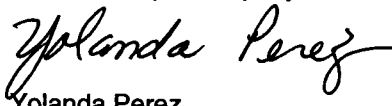
Conoco Inc. was merged into Phillips Petroleum Company, the surviving corporation, on December 31, 2002. In connection with this merger and effective on the same date, the name of the surviving corporation was changed to "ConocoPhillips Company". We are requesting that a new Operator Number be assigned to ConocoPhillips Company.

Please send production reporting forms to Herb Henderson at ConocoPhillips Company, 315 S. Johnstone, 980 Plaza Office, Bartlesville, OK 74004. Herb's phone number is 918-661-4415.

Current Operator
Phillips Petroleum Company


Steve de Albuquerque

New Operator
ConocoPhillips Company


Yolanda Perez

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JAN 08 2003

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Yolanda Perez TITLE Sr. Regulatory Analyst
SIGNATURE  DATE 12/30/2002

(This space for State use only)



SECRETARY'S CERTIFICATE

I, the undersigned, Jennifer M. Garcia, Assistant Secretary of ConocoPhillips Company, formerly Phillips Petroleum Company, organized and existing under and by virtue of the laws of the State of Delaware (the "Corporation"), hereby certify that:

1. As Assistant Secretary I am authorized to execute this certificate on behalf of the Corporation.
2. The attached photocopy of the Certificate of Amendment to the Restated Certificate of Incorporation of Phillips Petroleum Company (to be renamed ConocoPhillips Company) is a true and correct copy as filed in the office of the Secretary of State of Delaware on the 12th day of December 2002, with an effective date of January 1, 2003 and such Certificate of Amendment has not been modified, amended, rescinded or revoked and is in full force and effect as of the date hereof.
3. The attached photocopy of the Certificate of Merger of Conoco Inc. with and into ConocoPhillips Company is a true and correct copy as filed in the office of the Secretary of State of Delaware on the 12th day of December 2002, with an effective date of December 31, 2002 and such Certificate of Merger has not been modified, amended, rescinded or revoked and is in full force and effect as of the date hereof.

IN WITNESS WHEREOF, I have hereunto set my hand as Assistant Secretary and affixed the corporate seal of the Corporation this 7th day of January 2003.


Assistant Secretary
ConocoPhillips Company

STATE OF TEXAS §
 §
COUNTY OF HARRIS §

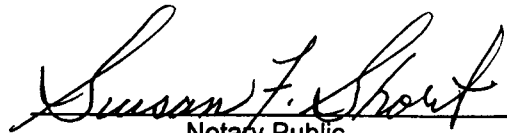
This instrument was acknowledged before me on January 7, 2003, by Jennifer M. Garcia, Assistant Secretary of ConocoPhillips Company, a Delaware corporation, on behalf of said Corporation.



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DIV. OF OIL, GAS & MINING


Notary Public

Delaware

PAGE 1

The First State

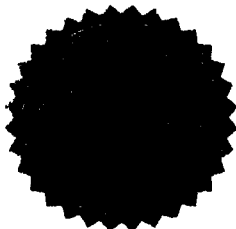
I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PHILLIPS PETROLEUM COMPANY", CHANGING ITS NAME FROM "PHILLIPS PETROLEUM COMPANY" TO "CONOCOPHILLIPS COMPANY", FILED IN THIS OFFICE ON THE TWELFTH DAY OF DECEMBER, A.D. 2002, AT 1:41 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF AMENDMENT IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2002, AT 11 O'CLOCK P.M.

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JAN 08 2003

DIV. OF OIL, GAS & MINING



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2183360

0064324 8100

030002793

DATE: 01-02-03

CERTIFICATE OF AMENDMENT

to the

RESTATED CERTIFICATE OF INCORPORATION

of

**PHILLIPS PETROLEUM COMPANY
(to be renamed ConocoPhillips Company)**

Phillips Petroleum Company ("Phillips"), a corporation organized and existing under the General Corporation Law of the State of Delaware (the "DGCL"), hereby certifies that:

1. The amendments to Phillips' Restated Certificate of Incorporation set forth below were duly adopted in accordance with the provisions of Section 242 of the DGCL and have been consented to in writing by the sole stockholder of Phillips in accordance with Section 228 of the DGCL.

2. Phillips' Restated Certificate of Incorporation is hereby amended by deleting Article I thereof and replacing in lieu thereof a new Article I reading in its entirety as follows:

"The name of the corporation (which is hereinafter referred to as the "Corporation") is ConocoPhillips Company."

3. Phillips' Restated Certificate of Incorporation is hereby amended by deleting Section 1 of Article IV thereof and replacing in lieu thereof a new Section 1 reading in its entirety as follows:

"Section 1. The Corporation shall be authorized to issue 2,100 shares of capital stock, of which 2,100 shares shall be shares of Common Stock, \$.01 par value ("Common Stock")."

4. Pursuant to Section 103(d) of the DGCL, this amendment will become effective at 11:00 p.m., Eastern time, on December 31, 2002.

FROM RL&F#1

(THU) 12. 12' 02 13:32/ST. 13:31/NO. 4864756279 P 6

IN WITNESS WHEREOF, Phillips has caused this certificate to be executed this
12th day of December, 2002.

PHILLIPS PETROLEUM COMPANY

By: 

Name:

Rick A. Harrington

Title:

Senior Vice President, Legal,
and General Counsel

HOU03:884504.1

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JAN 08 2003
DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Eastern States Office
7450 Boston Boulevard
Springfield, Virginia 22153

IN REPLY REFER TO
3106.8(932.34)WF

January 16, 2003

NOTICE

ConocoPhillips Company	:	Oil & Gas Leases
P.O. Box 7500	:	
Bartlesville, Oklahoma 74005	:	

Merger/Name Change Recognized

Acceptable evidence was received in this office on January 14, 2003, concerning the change of name of Phillips Petroleum Company to **ConocoPhillips Company** and the merger of **Conoco Incorporated** into **ConocoPhillips Company** on Federal oil and gas leases, with **ConocoPhillips Company** being the surviving entity.

The Secretary of the State of Delaware certified the effective date of this merger effective December 31, 2002.

The oil and gas lease files identified on the enclosed exhibit have been noted to the merger. The exhibit was compiled from a list of leases obtained from your list of leases. Eastern States has not abstracted the lease files to determine if the entities affected by this merger hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of this merger and name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify other leases in which the merging entity maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

By Operation of law the name of the principal on Nationwide Oil and Gas Bond held by Conoco Incorporated (ES0085) has been changed to ConocoPhillips Company.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

009

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

CONFIDENTIAL

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	2. Name of Operator CONOCOPHILLIPS COMPANY	Contact: FRANKIE HATHAWAY E-Mail: Frankie.Hathaway@conocophillips.com	5. Lease Serial No. UTU-74974
3a. Address P. O. BOX 851 PRICE, UT 84501	3b. Phone No. (include area code) Ph: 435.613.9777 Fx: 435.613.9782	10. Field and Pool, or Exploratory WILDCAT	6. If Indian, Allottee or Tribe Name
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T10S R18E SWSW 839FSL 465FWL			7. If Unit or CA/Agreement, Name and/or No.
			8. Well Name and No. FEDERAL 14-18 14-18-2 #1
			9. API Well No. 43-047-34539
			11. County or Parish, and State UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Start-up
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please be advised that the Federal 14-18 #1 well showed first production on 8/31/02:
gas: 924 MCF
water: 127 bbl
oil: 0 bbl

COPY

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FEB 07 2003

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

14. I hereby certify that the foregoing is true and correct. Electronic Submission #18336 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Vernal	
Name (Printed/Typed) FRANKIE HATHAWAY	Title OPERATIONS CLERK
Signature (Electronic Submission)	Date 02/05/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

OPERATOR CHANGE WORKSHEET

010

Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

X Merger

ROUTING

1. GLH

2. CDW

3. FILE

The operator of the well(s) listed below has changed, effective: 12-31-02

FROM: (Old Operator):

PHILLIPS PETROLEUM COMPANY

Address: 980 PLAZA OFFICE

BARTLESVILLE, OK 74004

Phone: 1-(918)-661-4415

Account No. N1475

TO: (New Operator):

CONOCOPHILLIPS COMPANY

Address: P O BOX 2197, WL3 4066

HOUSTON, TX 77252

Phone: 1-(832)-486-2329

Account No. N2335

CA No.

Unit:

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
UTAH 31-612	31-16S-09E	43-015-30522	99999	STATE	GW	NEW
UTAH 31-613	31-16S-09E	43-015-30523	99999	STATE	GW	NEW
UTAH 31-614	31-16S-09E	43-015-30524	99999	STATE	GW	NEW
FEDERAL 31-29	29-09S-19E	43-047-33653	13077	FEDERAL	GW	P
FEDERAL 34-29	29-09S-19E	43-047-33750	13174	FEDERAL	GW	P
FEDERAL 12-29-7-1	29-09S-19E	43-047-34471	99999	FEDERAL	GW	APD
FEDERAL 31-31-6-1	31-09S-19E	43-047-34472	99999	FEDERAL	GW	APD
PETES WASH 23-12 #1	12-10S-17E	43-047-34286	13492	FEDERAL	GW	P
FEDERAL 43-24-3 #1	24-10S-17E	43-047-34551	99999	FEDERAL	GW	APD
FEDERAL 24-7 #1	07-10S-18E	43-047-33983	13182	FEDERAL	GW	P
FEDERAL 12-17 #1	17-10S-18E	43-047-33982	99999	FEDERAL	GW	APD
FEDERAL 14-18-2 #1	18-10S-18E	43-047-34539	13491	FEDERAL	GW	P
ANTELOPE KNOLLS 21-23 # 1	23-10S-18E	43-047-34287	99999	FEDERAL	GW	NEW

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 01/08/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 01/08/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 02/03/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 562960-0143
5. If **NO**, the operator was contacted contacted on: _____

6. (R649-9-2) Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 01/14/2003

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 01/14/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: 01/14/2003

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 02/13/2003

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 02/13/2003

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 8140-60-24

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 8015-16-69

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 6196922

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

011

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-74971	
2. Name of Operator CONOCOPHILLIPS COMPANY		6. If Indian, Allottee or Tribe Name	
3a. Address P. O. BOX 851 PRICE, UT 84501		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 435.613.9777 Fx: 435.613.9782		8. Well Name and No. FEDERAL 14-18-2 #1	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T10S R18E SWSW 839FSL 465FWL		9. API Well No. 43-047-34539	
		10. Field and Pool, or Exploratory RIVER BEND	
		11. County or Parish, and State UINTAH COUNTY, UT	

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The purpose of this Sundry Notice is to notify the Bureau of Land Management Vernal Field Office of the method and means of water disposal for the Federal 43-24-3 No. 1 well. There are currently no water disposal wells associated with this project, therefore, the produced water from this well is trucked via Nebeker Trucking to Water Disposal Inc., in Vernal, Utah.

COPY

RECEIVED

MAR 04 2003

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

14. I hereby certify that the foregoing is true and correct. Electronic Submission #18950 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Vernal	
Name (Printed/Typed) FRANKIE HATHAWAY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 02/26/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
ConocoPhillips Company

3. ADDRESS OF OPERATOR:
P.O. Box 2197, WL3 61 CITY Houston STATE TX ZIP 77252

PHONE NUMBER:
(832) 486-2329

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attached List

COUNTY: Uinta

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
See Attached

9. API NUMBER:
See List

10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco Energy, Inc. will be the new Operator for the wells on the attached list effective January 1, 2004. Gasco Energy, Inc. is registered to do business in Utah.

Current Operator N2335
ConocoPhillips Company
P. O. Box 2197, WL3 6106
Houston, TX 77252

New Operator N2575
Gasco Energy, Inc. Production Co
14 Inverness Drive East, Suite H-236
Englewood, CO 80112

WILLIAM RAINBOLT, ATTORNEY-IN-FACT

Michael K. Dacker
Executive Vice President & Chief
Operating Officer

NAME (PLEASE PRINT) Yolanda Perez

TITLE Sr. Regulatory Analyst

SIGNATURE

DATE 2/27/2004

(This space for State use only)

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MAR 17 2004

DIV. OF OIL, GAS & MINING

Change of Operator
ConocoPhillips Company to Gasco Energy, Inc.

API Well Number	Operator	Well Name	Well Type	Well Status	Sec.	Twpn	Twpd	Rngn	Rngd	Qtr/Qtr	Ft. NS	NS	Ft. EW	EW
43-047-33653-00-00	CONOCOPHILLIPS COMPANY	FEDERAL 31-29	Gas Well	Producing Well	29	9	S	19	E	NWNE	682	N	2042	E
43-047-33750-00-00	CONOCOPHILLIPS COMPANY	FEDERAL 34-29	Gas Well	Producing Well	29	9	S	19	E	SWSE	604	S	1999	E
43-047-33983-00-00	CONOCOPHILLIPS COMPANY	FEDERAL 24-7 #1	Gas Well	Producing Well	7	10	S	18	E	SESW	624	S	1920	W
43-047-34286-00-00	CONOCOPHILLIPS COMPANY	PETES WASH 23-12 #1	Gas Well	Shut_In	12	10	S	17	E	NESW	2282	S	1792	W
43-047-34539-00-00	CONOCOPHILLIPS COMPANY	FED 14-18-2 #1	Gas Well	Producing Well	18	10	S	18	E	SWSW	839	S	465	W
43-047-34551-00-00	CONOCOPHILLIPS COMPANY	FED 43-24-3 #1	Gas Well	Producing Well	24	10	S	17	E	NESE	1500	S	1000	E

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MAR 17 2004
 DIV. OF OIL, GAS & MINING

Delaware

PAGE 1

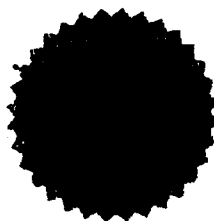
The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PANNONIAN ENERGY INC.", CHANGING ITS NAME FROM "PANNONIAN ENERGY INC." TO "GASCO PRODUCTION COMPANY", FILED IN THIS OFFICE ON THE TWENTY-FOURTH DAY OF FEBRUARY, A.D. 2004, AT 12:43 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

2899291 8100

040133641



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2963993

DATE: 03-02-04

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MAR 31 2004

DIV. OF OIL, GAS & MINING

FEB. 24. 2004 10:27AM

DILL 303-777-3823

NO. 3783 P. 3

State of Delaware
Secretary of State
Division of Corporations
Delivered 12:43 PM 02/24/2004
FILED 12:43 PM 02/24/2004
SRV 040133641 - 2899291 FILE

**CERTIFICATE OF AMENDMENT
TO
CERTIFICATE OF INCORPORATION
OF
PANNONIAN ENERGY INC.**

Pannonian Energy Inc., a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

FIRST: That pursuant to a written consent to action by the Board of Directors of Pannonian Energy Inc., resolutions were duly adopted setting forth a proposed amendment of the Certificate of Incorporation of said corporation, declaring said amendment to be advisable and recommending its submission to the sole stockholder for consideration thereof. The resolution setting forth the proposed amendment is as follows:

RESOLVED, that the Certificate of Incorporation of this corporation be amended by changing the First Article thereof so that, as amended, said Article shall be and read as follows:

The name of the corporation is

GASCO PRODUCTION COMPANY.

SECOND: That, thereafter, pursuant to resolution of its Board of Directors, the proposed amendment was submitted to the sole stockholder of said corporation for consideration and said sole stockholder approved the amendment by means of a written consent to action.

THIRD: That said amendment was duly adopted in accordance with the provisions of Section 242 of the General Corporation Law of the State of Delaware.

FOURTH: That the capital of said corporation shall not be reduced under or by reason of said amendment.

IN WITNESS WHEREOF, said Pannonian Energy Inc. has caused this certificate to be signed by W. King Grant, an authorized officer, this 23rd day of February, 2004.

By: 
W. King Grant, Corporate Secretary

RECEIVED

MAR 31 2004

DIV. OF OIL, GAS & MINING

From: "Mark Choury" <mchoury@gascoenergy.com>
To: "Earlene Russell (E-mail)" <earlenerussell@utah.gov>
Date: 3/31/04 7:35AM
Subject: Gasco Production Company, Gasco Energy, Inc. and Pannonian Energy, Inc.

Earlene,

I apologize for all the confusion surrounding the various names. The reason we changed the name of Pannonian Energy, Inc. to Gasco Production Company was to eliminate the confusion. Gasco Production Company is a wholly owned subsidiary of Gasco Energy, Inc. It is our intention to have Gasco Production Company serve as our operating entity and we are in the process of having our bonding recognize the name change which was effective February 24, 2004.

I hope this helps. If you need anything else, just let me know.

3. FILE

007

Designation of Agent/Operator

Merger

1/1/2004

TO: (New Operator):
N2575-Gasco Production Co
14 Inverness Dr E, Suite H236
Englewood, CO 80112-5625
Phone: 1-(303) 483-0044

Unit:

WELL(S)

[illegible]

OPERATOR CHANGES DOCUMENTATION

5. If **NO**, the operator was contacted contacted on:

6. (R649-9-2) Waste Management Plan has been received on:

IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 3/31/2004
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 3/31/2004
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 3/29/2004

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT-1233

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: n/a

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number n/a
2. The FORMER operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

2/24/2004 Pannonian Energy Inc. became Gasco Production Co
Received request to change to Gasco Production Co rather than Pannonian Energy Inc.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

May 18, 2004

Memorandum

To: Vernal Field Office, Moab Field Office
From: Chief, Branch of Minerals Adjudication
Subject: Name Change Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the name change from Pannonian Energy Inc., into Gasco Production Company is effective February 24, 2004.

/s/ Robert Lopez

Robert Lopez
Chief Branch of
Minerals Adjudication

Enclosure

1. State of Utah Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

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MAY 20 2004

DIV. OF OIL, GAS & ...

Nordstrom:05/18/2004

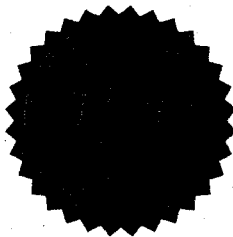
Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PANNONIAN ENERGY INC.", CHANGING ITS NAME FROM "PANNONIAN ENERGY INC." TO "GASCO PRODUCTION COMPANY", FILED IN THIS OFFICE ON THE TWENTY-FOURTH DAY OF FEBRUARY, A.D. 2004, AT 12:43 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2963993

DATE: 03-02-04

2899291 8100

040133641

03576	69096	76811
01562B	70847	76812
0125822	70848	76814
013429A	70849	76818
013766	70850	77063
013820	70887	77336
013821A	70888	78214
0147541	70889	78215
0147514A	71401	78216
016869A	72013	78433
017713	73165	79784
017991	73425	80593
018260A	73664	80679
035316	73666	
058148	73669	
	74387	
	74395	
8344	74396	
8346	74397	
8648	74401	
	74403	
28212	74407	
34350	74968	
37246	74971	
39223	75079	
44089	75088	
44090A	75231	
60748A	75233	
60748X	75232	
62159	75235	
64921	75236	
65319	75514	
65323	75515	
65324	75670	
65767	75672	
65773	76031	
65776	76032	
65779	76033	
65782	76034	
65783	76057	
65785	76256	
66798	76262	
66800	76478	
67253	76489	
68387	76490	
68620	76760	
69003	76761	
69094	76809	
69095	76810	

Gasco Production

012

api	twsp	rng	sec	well_name	lease_num	stat	la_pa
4304734168	090S	190E	20	FED 24-20-9-19	UTU-75090	DRL	
4304734169	090S	190E	20	FED 44-20-9-19	UTU-75090	DRL	
4304734199	090S	190E	21	FED 23-21-9-19	UTU-78433	P	
4304734608	090S	190E	21	FED 11-21-9-19	UTU-78433	DRL	
4304735405	090S	190E	21	FED 42-21-9-19	UTU-78433	APD	
4304735606	090S	190E	21	FEDERAL 31-21-9-19	UTU-78433	APD	
4304734607	090S	190E	22	LYTHAM FED 22-22-9-19	UTU-78433	P	
4304735404	090S	190E	22	FED 11-22-9-19	UTU-78433	DRL	
4304733653	090S	190E	29	FEDERAL 31-29	UTU-76262	P	
4304733750	090S	190E	29	FEDERAL 34-29	UTU-76034	P	
4304734111	090S	190E	29	FEDERAL 23-29 #1	UTU-76262	P	
4304734202	090S	190E	29	FED 42-29-9-19	UTU-76262	P	
4304735343	090S	190E	30	FEDERAL 43-30-9-19	UTU-37246	DRL	
4304734201	090S	190E	31	FED 32-31-9-19	UTU-76489	P	
4304735623	090S	190E	31	FEDERAL 24-31-9-19	UTU-019880A	APD	
4304735624	090S	190E	31	FEDERAL 41-31-9-19	UTU-019880A	APD	
4304734286	100S	170E	12	PETES WASH 23-12 #1	UTU-77063	P	
4301332560	100S	170E	17	WILKIN RIDGE FED 34-17-10-17	UTU-043615	APD	
4304734551	100S	170E	24	FED 43-24-3 #1	UTU-74401	P	
4304733983	100S	180E	07	FEDERAL 24-7 #1	UTU-68387	P	
4304734539	100S	180E	18	FED 14-18-2 #1	UTU-74971	P	
4304735808	100S	180E	22	FEDERAL 11-22-10-18	UTU-018260A	APD	
4304734924	100S	180E	30	FED 22-30-10-18	UTU-74408	APD	
4304734813	100S	190E	06	FED 21-6-10-19	UTU-76490	LA	3/30/2004
4304731178	110S	200E	03	LAFKAS FED 1-3	U-34350	S	
4304731818	110S	200E	05	WILLOW CREEK UNIT 2	U-39223	TA	
4304731026	110S	200E	10	HILL FEDERAL 1-10	U-44089	TA	

K



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410
<http://www.blm.gov/utah/vernal>



IN REPLY REFER TO:

3162.3

UT08300

October 25, 2005

Mark Choury
Gasco Production Company
8 Inverness Drive East, Suite 100
Englewood, Colorado 80112

43-047-34539

Re: Well No. Federal 14-18-2 #1
SWSW, Sec. 18, T10S, R18E
Uintah County, Utah
Lease No. UTU-74971

Dear Mr. Choury:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Gasco Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT1233, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Leslie Wilcken of this office at (435) 781-4497.

Sincerely,

Matt Baker
Petroleum Engineer

cc: UDOGM
Pendragon Energy Prtnrs, Inc.
III Exploration Co.
QEP-Uinta Basin, Inc.

RECEIVED

NOV 02 2005

DIV. OF OIL, GAS & MINING

J

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-74971
2. Name of Operator Gasco Production Company		6. If Indian, Allottee, or Tribe Name NA
3a. Address 8 Inverness Drive East Ste 100 Englewood, Co 80112		7. If Unit or CA Agreement Name and/or No NA
3b. Phone No. (include area code) 303-483-0044		8. Well Name and No Federal 14-18-2#1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 839' FSL & 465' FWL SW SW of Section 18-T10S-R18E		9. API Well No. 43-047-34539
		10. Field and Pool, or Exploratory Area Uteland Butte
		11. County or Parish, State Uintah County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

This is to inform you that we will be disposing of water from this well as follows:

All produced water from this well will be trucked off the location and disposed of at Brennan bottom Water Disposal located between Roosevelt and Vernal Utah.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
APR 26 2006

14. I hereby certify that the foregoing is true and correct.

Name (Printed Typed)

Beverly Walker

Title

Engineering Technician

Signature

Beverly Walker

Date

April 21, 2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No UTU-74971
2. Name of Operator Gasco Production Company		6. If Indian, Allottee, or Tribe Name NA
3a. Address 8 Inverness Drive East Ste 100 Englewood, Co 80112	3b. Phone No. (include area code) 303-483-0044	7. If Unit or C/A Agreement Name and/or No. NA
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 839' FSL & 465' FWL SW SW of Section 18-T10S-R18E		8. Well Name and No. Federal 14-18-2#1
		9. API Well No 43-047-34539
		10. Field and Pool, or Exploratory Area Uteland Butte
		11. County or Parish, State Uintah County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	EFM Meter	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal		

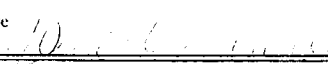
13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

This sundry is being sent to inform you that we will be using a Total Flow to measure production from this well and will be considered as the point of sale for gas produced from this well. A temperature probe has been installed for gas measurement purposes. This unit does have a digital readout display and will be inspected and proved according to all BLM regulations.

RECEIVED

APR 26 2006

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct	
Name (Printed Typed) Beverly Walker	Title Engineering Technician
Signature 	Date April 21, 2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

5. Lease Serial No.	UTU-74971
6. If Indian, Allottee, or Tribe Name	NA
7. If Unit or CA. Agreement Name and/or No.	NA
8. Well Name and No.	Federal 14-18-2#1
9. API Well No.	43-047-34539
10. Field and Pool, or Exploratory Area	Uteland Butte
11. County or Parish, State	Uintah County, Utah

1. Type of Well	<input type="checkbox"/> Oil Well	<input checked="" type="checkbox"/> Gas Well	<input type="checkbox"/> Other
2. Name of Operator	Gasco Production Company		
3a. Address	8 Inverness Drive East Ste 100 Englewood, Co 80112		
3b. Phone No. (include area code)	303-483-0044		
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	839' FSL & 465' FWL SW SW of Section 18-T10S-R18E		

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

This is to inform you that effective immediately we will be disposing of produced water from this well as follows:

All produced water from this well will be trucked off the location and disposed of at the Desert Spring State Evaporation Facility NW 1/4 of Section 36-T9S-R18E Uintah County, Utah. Which is owned by Gasco Production Company. A copy of the approved permit for this facility is attached.

Accepted for
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
OCT 24 2006

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name (Printed Typed)

Beverly Walker

Title

Engineering Tech

Signature

Date

October 18, 2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74971
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: FED 14-18-2 #1
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0839 FSL 0465 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 18 Township: 10.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047345390000
PHONE NUMBER: 303 483-0044 Ext		9. FIELD and POOL or WILDCAT: UTELAND BUTTE
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/1/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Gasco intends to re-fracture stimulate the current producing interval in the Mesaverde formation. The production zone will be fully stimulated with approximately 570,000 pounds of white sand and 7,510 bbls of water.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: 11/18/2010

By: *Derek Quist*

NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Production Clerk
SIGNATURE N/A		DATE 11/17/2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74971			
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3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112		8. WELL NAME and NUMBER: FED 14-18-2 #1			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0839 FSL 0465 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 18 Township: 10.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047345390000			
PHONE NUMBER: 303 483-0044 Ext		9. FIELD and POOL or WILDCAT: UTELAND BUTTE			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/7/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Gasco would like to dispose of water at Integrated Water management, LLC state approved commercial disposal facility located in Section 30, 2 south Range 4 west in North Blue Bench UT. This facility would be used in addition to the currently approved disposal facilities that Gasco uses to dispose of water from this well.					
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY 12/30/2010					
NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor			
SIGNATURE N/A		DATE 12/30/2010			

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
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TYPE OF SUBMISSION <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/2/2011 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input checked="" type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Gasco has completed fracture treating the productive intervals in the Mesaverde formation. The volumes of sand and water pumped can be found on the attached wellbore schematic under the Hail Mary Frac Stage. Operations were completed when tubing was landed at 8,582' on 3/2/2011.																																
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY																																
NAME (PLEASE PRINT) Jessica Berg		PHONE NUMBER 303 996-1805																														
SIGNATURE N/A		TITLE Production Clerk																														
		DATE 3/14/2011																														

as of 3/2/2011

LEASE: UTU-74971 WELL #: Federal 14-18-2 #1
 FIELD: Riverbend
 LOCATION: 839' FSL & 469 FWL'
 COUNTY: Uintah ST: Utah API: 43-047-34539

CONDUCTOR

SIZE: 13 3/8"
 WT/GRD: H-40
 WT/GRD: 48#
 CSA: none
 SX:
 CIRC: Y
 TOC: Surf
 HOLE SIZE: 17 1/2"

SURFACE CASING

SIZE: 9 5/8"
 WT/GRD: N-80
 WT/GRD: 40#
 CSA: 4,788
 SX: 1139 sx
 CIRC: Y
 TOC: Surf
 HOLE SIZE: 12 1/4"

PRODUCTION CASING

SIZE: 4 1/2"
 WT/GRD: P110
 WT/GRD: 13.5#
 CSA: 11,350
 SX: 1725 sx
 CIRC: Y
 TOC: Fair - poor bond, 8600 - 4760
 HOLE SIZE: 7 7/8"

GL: 5377'
 KB: 5395'
 SPUD DATE: 5/31/2002
 COMP DATE: 7/1/2002

DATE FIRST PRODUCED
 PRODUCTION METHOD flow
 CHOKE SIZE
 Csg PRESSURE
 OIL (BBL)
 GAS (MCF)
 WATER (BBL)

Land well @ 8,582' w/274 jnts 2 3/8" EUE
 8 rnd 4.7# N-80 tbg (3/2/2011)

Stimulation

Hail Mary Stage:
 12/20/2010

FR slick water frac well w/ 558,878# 40/70 white sand, 7,824 bbls 2% FR slick water (C1O2 water), flushed w/ 128 bbls 2% C1O2 flush. Drop bioballs throughout run.

Stage 5:

8/11/2004

Frac well with 54,717# of 20-40 sand using 2230 BBLs of Slickwater (includes 360 bbls of 20# Linear Gel)

Stage 4:

8/12/2002

Frac with 2147 bbls 25# gel (Halliburton Delta 200) with 199,820# 20/40 Ottawa sand and 49,840# 20/40 resin coated sand (AcFrac PR-6000)

Stage 3:

8/12/2002

Frac with 3537 bbls 25# gel (Halliburton Delta 200) with 324,000# 20/40 Ottawa sand, and 51,000# 20/40 resin coated sand (AcFrac PR-6000)

Stage 2:

8/6/2002

Frac with 2725 bbls 25# gel (Halliburton Delta 200), approx 144,600# 20/40 Ottawa sand, and approx 123,000# 20/40 resin coated sand (AcFrac PR-6000)

Stage 1:

8/5/2002

Frac with 2269 bbls 25# gel and 281,780# 20/40 Ottawa and 20/40 resin coated sand. (Approx. 80,000# Ottawa, 200,000# resin coated AcFrac PR-6000)

EOT @ 8582
 8574-76
 8588-90
 8698-702

8907-12 (Stage 5 Reperf)
 9050-55 (Stage 5 Reperf)

9434-36
 9462-64
 9550-52
 9617-19
 9634-36
 9644-54 (Stage 4 Reperf)

9666-70
 9782-84
 9830-32
 9848-50
 9866-70 (Stage 3 Reperf)
 9997-99 (Stage 3 Reperf)

10060-62
 10072-74 (Stage 3 Reperf)

10533-35 (Stage 2 Reperf)
 10551-53
 10564-66 (Stage 2 Reperf)
 10580-84
 10590-92 (Stage 2 Reperf)

10642-44
 10684-86 (Stage 2 Reperf)
 10716-18
 10780-86 (Stage 1 Reperf)
 10818-20
 10842-44 (Stage 1 Reperf)
 10856-58
 10885-87
 10906-08 (Stage 1 Reperf)

Hail Mary Frac Stage
 8574 - 10908'

Original Completion	
Stage 5	8907-12
	9050-55
Stage 4	9644-54
Stage 3	9866-70
	9997-99
	10072-74
Stage 2	10533-35
	10590-92
	10564-66
	10684-86
Stage 1	10780-86
	10842-44
	10906-08

Revised By	Date
KTM	3/10/2011

MD 11,350
 TD 11,350

3-3/4" Bit x POBS (8/30/02) @ 10970' (9/4/02)
 3-3/4" Bit x POBS (8/15/04)

PBTD @ 10,980' (Mill to depth with fang mill) (12/11/10)

Gasco Production Company

Federal 14-18-2 #1

SW SW of Section 18-T10S-R18E

Uintah County Utah,

043-047-34539

RU for Hail Mary Frac

- 12/1/10 MIRU 4 Corners well service and spot in support equipment.
SDFD. (RS) DC \$5,305
Transportation, Frac tank rental
(JH) DC \$34,261 **AFE Total \$34,261** CC \$205,764
- 12/2/10 Fd 800 sicp, 800 sitp, 0 ppm H₂s @ the well head. Spot in cat walk and pipe racks, RU pump and lines and pump 30 bbls 2% kcl dn tbg and ND well head, NU BOP. Remove tbg hanger and lay dn 1 jnts tbg. Leave well to sales and SDFD. (RS) DC \$7,141
Rental equipment and services, Transportation
(JH) DC \$8,213 **AFE Total \$42,474** CC \$213,977
- 12/3/10 Fd 110 fcp, 100 sitp, 0 ppm H₂s. Pump 20 bbls 2% kcl dn tbg and POOH w/209 jnts tbg. Scale started to form @ 6,583' and dn, scale became thicker the deeper it went. OOH w/ total 272 jts tbg. Turn well over to sales and SDFD. (RS) DC \$7,581
Fishing Services, Transportation
(JH) DC \$33,922 **AFE Total \$76,396** CC \$247,899
- 12/4/10 Fd 150 fcp, 140 sitp, 0 ppm H₂s. Pump 30 bbls 2% kcl dn tbg and POOH w/50 jnts tbg + X-nipple + bottom of POBS. RIH RBS 3 3/4" shoe+2 7/8" bumper sub+223 jnts tbg. leave EOT @ 6,935' and turn well to sales for day and SDFD. (RS) DC \$16,691
Transportation, Nitrogen & CO₂
(JH) DC \$13,515 **AFE Total \$89,911** CC \$261,414
- 12/5/10 Fd 0 fcp, 0 sitp, 0 ppm H₂s. Pump 30 bbls 2% kcl dn tbg. RIH w/128 jnts of tbg and tag @ 10,936' w/351 jnts tbg. PU Nabors Oil Tools power swivel and RU Ace west N₂ unit. Circulate well and wash dn to 10,964' and tag bit sub. Clean dn to 10,977' w/353 jnts tbg. circulate hole clean and POOH w/52 jnts tbg and leave well to sales. SDFD. (RS) DC \$27,360
Nitrogen & CO₂ (JH) DC \$20,939 **AFE Total \$110,850** CC \$282,353
- 12/6/10 0 fcp, 0 sitp, 0 ppm H₂s. POOH w/301 jnts tbg+BHA and did not have fish in tbg. Shoe had good marks inside the shoe indicating POBS was inside. RIH w/over shot+bumper sub+300 jnts tbg and Leave EOT @ 9,357 and turn well to sales and SDFD. (RS) DC \$9,406
Transportation, Supervise – Swann Consulting LLC
(JH) DC \$9,690 **AFE Total \$120,540** CC \$292,043

12/7/10 Fd 150 fcp, 200 sitp, 0 ppm H2s. Pump 30 bbls dn tbg and RIH w/52 jnts tbg. PU Nabors Oil tools power swivel. RIH w/jnt 353 and tag fish top @ 10,977'. Pull and had to set jars off 3 times to get free. POOH w/185 jnts tbg. the right angle drive broke on the rig. Turn well to sales and SDFD. (RS) DC \$9,926
Completion/Packer fluids, Nitrogen & CO2
(JH) DC \$15,871 **AFE Total \$136,411** CC \$307,914

12/8/10 No work on well today. Waiting on right angle drive.

12/9/10 No work on well today. Waiting on right angle drive.
Completion/Packer fluids
(JH) DC \$222 **AFE Total \$136,633** CC \$308,136

12/10/10 Fd 0 fcp, 0 sitp, 0 ppm H2s. POOH w/168 jnts tbg and BHA, did not have fish. RIH w/fang mill+bit sub+Bowen+LBS+Bowen jar+4 drill collars+bowen intensifier+xo sub+294 jnts tbg. left EOT @ 9,308'. Leave well to sales and SDFD. (RS) DC \$13,526
Transportation (JH) DC \$5,615 **AFE Total \$142,248** CC \$313,751

12/11/10 FD 0 fcp, 0 sitp, 0 PPM H2s. RIH w/54 jnts tbg and pick up nabors oil tools power swivel. Tag @ 10,979' w/348 jnts tbg. RU Weatherford N2 unit and mill dn to 10,980', could not get any deeper. POOH w/51 jnts tbg. RDMO Weatherford. Leave EOT @ 9,401' w/297 jnts tbg. leave well to sales up csg for night and SDFD. (RS) DC \$22,916
Treating (JH) DC \$5,021 **AFE Total \$147,269** CC \$318,772

12/12/10 Fd 0 fcp, 0 sitp, 0 PPM H2s. Pump 30 bbls 2% dn tbg and POOH w/297 jnts tbg. MIRU JW wireline and RIH w/2 3/4" scalloped guns. **Perf f/8,574-76', 8,588-90', 8,698-702', 8,907-12', 9,050-55', 9,434-36', 9,462-64', 9,550-52', 9,617-19', 9,634-36', 9,644-54', 9,666-70', 9,782-84', 9,830-32', 9,848-50', 9,866-70', 9,997-99', 10,060-62', 10,072-74', 10,533-35', 10,551-53', 10,564-66', 10,580-84', 10,590-92', 10,642-44', 10,716-18', 10,782-86', 10,818-20', 10,842-44', 10,856-58', 10,885-87', 10,906-08'.** POOH. RDMO JW wireline and leave well to sales up csg for night. SDFD. (RS) DC \$33,248
Perforate (JH) DC \$28,277 **AFE Total \$175,546** CC \$347,049

12/13/10 Fd 100 fcp, 100 sitp, 0 PPM H2s. blow csg dn to tank and RIH w/blade bit+scraper+6'pup jnt+353 jnts tbg and tag PBTD @ 10,980'. Lay dn 3 jnts tbg and POOH 350 jnts tbg and lay dn BHA. Leave well to sales up csg for night and SDFD. (RS) DC \$7,611
Supervise – Swann Consulting LLC
(JH) DC \$10,365 **AFE Total \$185,911** CC \$357,414

12/14/10 Fd 200 fcp, 0 PPM H2s RIH w/nabors oil tools and bridge plug and 275 jnts tbg. set plug @ 8,568' and POOH w/275 jnts tbg. Remove 7" 5k BOP and install 10k production tree. MIRU BC quick test and test csg to 8,500

and watch for 15 min, test good. Bleed psi off and leave well to sales for night. SDFD. (RS) DC \$11,539
Pressure testing, Completion/Packer fluids, Transportation
(JH) DC \$18,415 **AFE Total \$204,326** CC \$375,829

12/15/10 Fd 0 sicp, 0 PPM H2s. BP @ 8,500'. Remove 4 1/16" blind flange and install 7" 5k BOP. RIH w/retrieving tool+6' tbg sub+HD packer+x-nipple w/plug in place to displace csg+273 jnts tbg. MIRU Delsco and RIH w/fishing tool. Retrieve X plug and POOH. RIH w/2 jnts tbg and release BP. RIH w/another 177 jnts tbg and set BP @ 10,919'. POOH w/3 jnts tbg and set HD packer @ 10,830' w/347 jnts tbg+25' pup jnt. Install pop off on csg valve and set @ 4,000 psi. MIRU Frac tech and psi test lines to 9,000 psi, test good. **Stage-1 perfs f/(10,842-44', 10,856-58', 10,885-87', 10,906-08')** 24 total holes. Pump 5 bbls 2% kcl followed by 250 gal 15% HCL and drop 1 bio ball every 12 gal's acid drop 1 bio ball every 12 gal's, total of 21 balls, flushed w/49 bbls 2% kcl. SD, ISIP 0 psi. @ 18 bbls psi came up to 8,000 psi, @ 2.5 bpm. @ 60 bbls psi broke back to 1,200 increase rate to 4 bpm. Release packer and POOH 20 jnts tbg. leave EOT @ 10,608' and leave well shut in for night. SDFD. (RS) DC \$12,106
Treating, Rental equipment, Wireline service
(JH) DC \$17,973 **AFE Total \$222,299** CC \$393,802

12/16/10 Fd 0 sicp, 0 sitp, 0 PPM H2s. RIH for **stage-2 perfs f/(10,551-53', 10,654-66', 10,580-84', 10,590-92', 10,642-44', 10,684-86', 10,716-18', 10,782-86', 10,818-20')**, total 96 holes (30 re perfs). Set plug @ 10,830' w/347 jnts tbg, POOH 9 jnts and set HD packer @ 10,530' w/388 jts tbg. Psi test Frac tech lines to 8,500 psi, test good. Pump 5 bbls 2% kcl followed by 250 gal 15% HCL drop 1 bio ball every 5 gal acid, total of 57 balls, flushed w/55 bbls 2% kcl, SD ISIP 0. When balls hit formation psi went from 1,500 to 2,100 then broke back (fair ball action). Release packer and RIH w/9 jnts tbg and release plug. **Stage 3 perfs f/(9,666-70', 9,782-84', 9,830-32', 9,848-50', 9,866-70', 9,997-99', 10,060-62', 10,072-74', 10,533-35')** total 84 holes (18 re shots) POOH 9 jnts and set plug @ 10,540' w/388 jnts tbg, POOH 28 jnts tbg and set packer @ 9,657' w/310 jnts tbg. Pump 5 bbls 2% kcl followed by 250 gal 15% HCL acid, drop 1 bio ball every 5 gal, 50 balls total, flushed w/60 bbls 2% kcl. SD, ISIP 0. pumping psi 1,300, did not see any ball action. Annulus had 130 psi after flush. Release packer and RIH w/28 jnts tbg, release plug. **Stage-4 perfs f/(9,434-36', 9,462-64', 9,550-52', 9,617-19', 9,634-36', 9,644-54')**, total 90 holes (30 re perfs). POOH 28 jnts tbg and set plug 9,657' w/310 jnts tbg, POOH 8 jnts tbg and set packer @ 9,406 w/302 jnts tbg. Pump 5 bbls 2% kcl followed by 250 gals 15% HCL, drop 1 bio ball sealer every 5 gals, flushed w/50 bbls 2% kcl. SD, ISIP 0 psi. annulus had 45 psi after flush. Pumping psi 850, did not see any ball action. Release packer, RIH w/8 jnts tbg and release plug. **Stage-5 perf f/8,574-76', 8,588-90', 8,698-702', 8,907-12', 9,050-55'**, Total 72 holes (18 re perfs). POOH w/18 jnts tbg and set plug @ 9,100' w/292 jnts, POOH w/19 jnts and set HD packer @ 8,507' w/273 jnts tbg. RU and pump 5 bbls 2% kcl followed by 250 gals 15% HCL acid, drop 1 bio ball every 6 gal acid, 43 total balls, flushed

w/52 bbls. @ 42 bbls tbg psi came up to 4,000 psi and packer started to leak, annulus came up to 2,000 psi. SD, Release packer and pump another 42 bbls 2% kcl dn tbg and psi came up to 6,000 psi. could not break dn perms w/5k BOP. POOH 5 jnts tbg and leave well shut in for night. (RS) DC \$6,726. Labor, Transportation, Rental equipment (JH) DC \$15,468 **AFE Total \$237,767 CC \$409,270**

12/17/10 Fd 0 sicp, 0 sitp, 0 PPM H2s. POOH w/268 jnts tbg and lay dn BHA. RIH w/retrieving tool+tbg sub+new HD packer+x-nipple+273 jnts tbg and set packer @ 8,507'. RU and pump 5 bbls 2% kcl followed by 500 gal 15% HCL acid, drop 1 bio ball every 6 gal acid for total of 43 ball's, flushed w/52 bbls. SD, ISIP 3,000 psi. When ball's hit formation psi came up to 6,100, saw good ball action. Bleed tbg to 90 psi and shut, in psi came up to 2,000 psi in 2 min. release packer and psi went to 0. RIH w/19 jnts tbg and release plug, POOH w/20 jnts tbg and leave EOT @ 8,439' w/272 jnts tbg. leave well shut in and SDFD. (RS) DC \$ 17,595
Heat frac water
(JH) DC \$7,333 **AFE Total \$245,100 CC \$416,603**

12/18/10 Fd 0 sicp, 0 sitp, 0 PPM H2s. Finish POOH tbg and lay dn BHA. ND BOP, NU 4" 10k frac tree. Move tbg and racks to edge of location and RDMO four corners well service. SDFD. (RS)
Transportation (JH) DC \$5,430 **AFE Total \$250,530 CC \$422,033**

12/20/10 RU to frac Hail Mary stage f/8,574-76', 8,588-90', 8,698-702', 8,907-12', 9,050-55', 9,434-36', 9,462-64', 9,550-52', 9,617-19', 9,634-36', 9,644-54', 9,666-70', 9,782-84', 9,830-32', 9,848-50', 9,866-70', 9,997-99', 10,060-62', 10,072-74', 10,533-35', 10,551-53', 10,564-66', 10,580-84', 10,590-92', 10,642-44', 10,716-18', 10,782-86', 10,818-20', 10,842-44', 10,856-58', 10,855-58', 10,906-08'. MIRU stinger well head isolation tool. Unable to sting into well head w/13.5# cups, POOH and replace w/15.10# cups and RIH, stinger set. MIRU Frac tech pumping services and psi test frac lines to 9,500 psi. Max psi to be 8,500. Have safety meeting. Open psi 400 psi.. FR slick water frac well w/ 558,878# 40/70 white sand, 7,824 bbls 2% FR slick water (CLO2 water), and flushed w/128 bbls 2% CLO2 water. SD, ISIP 4,112 FG .86 5 min shut in 4,035, 10 min shut in 4,006, 15 min shut in 3,982. Average rate 42.8 bpm, average psi 6,470. Start pumping into perms w/6,000 @ 20 bpm. Increase rate to 50 bpm and start sand and dropping 1 bio ball every 20 bbls. @ 72 balls gone pressure came up to 7,500, drop rate to 45 bpm and pump 50 bbls sweep. Did not seem to help psi, drop balls every 40 bbls. @ 3,550 bbls pumped psi still climbing, cut sand and drop 13 bio balls w/100 bbls sweep. When balls hit saw excellent ball action and psi break, go back to 1 ball every 20 bbls. @ 4,342 bbls gone psi looked like well was screening out, drop rate to 40 bpm and pump 50 bbls sweep w/no ball's, when sweep hit psi broke over. Start dropping ball's every 20 bbls w/2# sand. Job started to look very good, @ 6,143 bbls gone Frac tech started to have trouble w/there pump truck's, rate dropped to 35 bpm. Psi looked like we were loosing ball's, start dropping ball's every 10 bbls for last 400 bbls of

the job. Over all the job pumped very well. SWI and wait for coil tbg. SDFD. (JD) DC \$136,397
Fracturing, Rental equipment, Transportation
(JH) DC \$137,597 **AFE Total \$388,127** CC \$559,630

- 12/21/10 MIRU CTS Coil tbg and have safety meeting. PSI test lines to 6,000 psi, test good. Open well and well had 3,600 psi. RIH w/1 ¾" wash nozzle on 1 ¾ coil tbg. Pump 1 bpm while RIH. Tag sand @ 9,028 increase rate to 2 bpm, + 500 scf N2. Start washing dn, every 100' of hole made POOH 20' and pump 10 bbl gel sweep every 400', psi @ 3,100 flowing about 2 bpm on a 14/64 ck. Tag solid @ 9,656' had to push 10k dn to get through. When fell through bridge psi came up to 3,400 still on a 14/64 ck. Did not see any washing action from 9,700' to 10,960'. Tag PBTD @ 10,960' coil tbg measurement. Pump 20 bbls gel sweep @ bottom perf and start OOH. Pump 2 bpm + 500 scf N2 until above perms. Kill fluid and blow N2 from 8,000 to surface. OOH w/coil. RDMO CTS. Turn well over to FB @ 5:17 p.m. w/3,200 on a 12/64 ck. DC \$33,529
Completion/Packer fluids, Coiled tbg unit, Heat frac water, Rental equip. (JH) DC \$54,482 **AFE Total \$442,609** CC \$614,112
- 12/22/10 7:00 a.m. 500 on a 14/64 ck. Made 793 bbls in 13 hrs 45 min, BLWTR 7,159 bbls. (JD)
- 12/23/10 7:00 a.m. 100 psi on a 14/64 ck. TR 1,027 bbls, BLWTR 6,925 bbls turn well to sales @ 9:15 a.m. on a 10/64 ck. Will have rig on loc next week to RIH tbg. (JD)
Monitor well (JH) DC \$6,615 **AFE Total \$449,224** CC \$620,727
- 12/28/10 Spot in Double Hook Rig #1. (JD) DC \$ 2,400
Water disposal, Completion/Packer fluids, Supervise – Swann Consulting LLC (JH) DC \$12,947 **AFE Total \$462,171** CC \$633,674
- 12/29/10 Clean snow and spot in and RU Double Hook Rig #1. spot in pipe rack's and load w/pipe. Talley all tbg to get ready for tomorrow, wait on Nabors oil tools for BOP. SDFD. (RS) DC\$ 3,180
Labor, Transportation, Nitrogen & CO2, Rental equipment (JH) DC \$11,530 **AFE Total \$473,701** CC \$645,204
- 12/30/10 Fd 100 fcp, 0 PPM H2s. pump 20 bbls 2% kcl dn csg and well pressured up to 2,000 psi and did not bleed off. Open well to fb tnk, psi bled off to 100 flowing sand. Decision was made between (JD, CW, RS) to not run tbg, fear of sanding in the tbg string after shut down. RDMO Double Hook. SWI and SDFD. (RS) DC \$6,790
Rental services/Close out costs (JH) DC \$4,658 **AFE Total \$478,359** CC \$649,862
- 12/31/10 Fd 0 fcp. MIRU Coil Tbg Services, (Mike Anderson). Have safety meeting, psi test lines to 6,000 psi. Pumping ½ bpm RIH w/wash nozzle

on 2" coil tbg. @ 8,000' increase rate to 1 ½ bpm +500 scf N2 w/16/64 ck @ manifold. Tag sand fill @ 8,700', (top perf 8,574'). Flowing w/ 1,000 psi @ manifold, wash dn 300' and stopped seeing weight loss, psi increased to 1,500 psi. RIH to 10,690' and tag solid, push 10k dn and washed through bridge. Wash dn and tag PBTB @ 10,690'. Pump 20 bbl gel sweep out the end of coil and start POOH. Well flowing w/2,500 on a 16/64 ck. OOH w/coil, shut blind rams in and turn well to flow back @ 3:43 p.m. w/2,100 on a 16/64 ck. 4:00 p.m. psi dn to 1,500 psi, open ck to 18/64. 4:30 psi dn to 900 psi, open ck to 20/64. 5:00 p.m. well died, open ck to full open. 7:30 p.m. well started to kick and made 20 bbls w/a lot of gas, 8:10 p.m. well died, SWI to build psi, will RIH coil in the a.m. to clean out sand. SDFD. (JD)

Coiled tbg unit, Heat frac water

(JH) DC \$80,944 **AFE Total \$559,303** CC \$730,806

- 1/1/11 Fd 0 psi fcp. SWI to see if it will build psi.
- 1/2/11 Fd that well will not build psi. Release FB crew and leave well shut in until a rig can move in and run tbg in the hole. DC \$9,323 **AFE Total \$478,399** CC \$636,197 (JD)
- 1/3/11 Monitor well (JH) DC \$9,324 **AFE Total \$568,627** CC \$740,130
- 1/4/11 Water disposal, Completion/Packer fluids
(JH) DC \$4,907 **AFE Total \$573,534** CC \$745,037
- 1/5/11 Updated late costs : Water Hauling \$14,269
Updated late costs : Water treatment \$2,700
(JH) DC \$16,969 **AFE Total \$590,503** CC \$762,006
- 1/11/11 Trucking water, Rental services
(JH) DC \$5,163 **AFE Total \$595,666** CC \$767,169
- 1/13/11 Rental equipment (JH) DC \$1,840 **AFE Total \$597,506** CC \$769,009
- 1/14/11 Fd 0 fcp, 0 PPM H2S. MIRU Double Hook Well Service Rig #1. Spot in support equipment. Turn well over to fb crew to watch for night. SDFD. (RS) DC \$3,426
Transportation, Rental equipment, Supervise – Swann Consulting LLC
(JH) DC \$5,208 **AFE Total \$602,714** CC \$774,217
- 1/15/11 FD 0 fcp, 0 PPM H2S. Heat frac tank to 120 degrees. ND 4" 10k frac tree, NU 7" 5k BOP. Tally and RIH w/notched collar+x-nipple+205 jnts 2 3/8" EUE 8 rnd 4.7# N-80 tbg. Leave EOT @ 6,377' w/205 jnts tbg. Left well shut in. SDFD. (RS) DC \$5,106
Heat frac water (JH) DC \$5,735 **AFE Total \$608,449** CC \$779,952

- 1/18/11 Fd 0 sicp, 0 PPM H2s. RIH w/136 jnts tbg and tag fill @ 10,681' w/341 jnts tbg. POOH w/11 jnts tbg and leave EOT @ 10,335' w/330 jnts tbg. leave well shut in and SDFD. (RS) DC \$5,111
Water disposal, Transportation
(JH) DC \$4,201 **AFE Total \$612,650 CC \$784,153**
- 1/19/11 Fd 0 sicp, 0 PPM H2s RIH w/ 10 tbg and install 2 3/8" string float. MIRU Weatherford N2 unit and start pumping dn tbg. get circulation and wash dn 9 jnts tbg and tag PBTB @ 10,980' w/349 jnts tbg. circulate well clean and pump 12 bbls kill on tbg. POOH to top perf. Leave EOT @ 8,709' w/271 jnts tbg. turn well over to fb crew to clean up and monitor for night. SDFD. (RS) DC \$13,541
Transportation, Heat frac water
(JH) DC \$4,335 **AFE Total \$616,985 CC \$788,488**
- 1/20/11 Fd 50 sitp, 0 sicp. Well did not recover any water through the night. RIH w/73 jnts tbg and install 2 3/8 string float @ 10,805'. Wash dn 5 jnts tbg and tag PBTB @ 10,980' circulate for 30 min and POOH 5 jnts tbg. Remove string float and POOH 73 jnts tbg. Install string float @ 8,401' w/271 jnts to be above perms. RIH w/78 jnts tbg and tag PBTB @ 10,980'. RU Weatherford N2 unit and circulate well for 3 hrs, saw a lot of sand @ returns. POOH w/78 jnts tbg and leave EOT @ 8,79' w/272 jnts tbg. turn well over to fb to clean up. SDFD. (RS) DC \$13,011
Transportation, Rental services
(JH) DC \$7,979 **AFE Total \$624,964 CC \$796,467**
- 1/21/11 Fd 0 sitp, 900 sicp. Pump 10 bbls 2% kcl dn tbg. RIH w/77 jnts tbg and tag fill @ 10,941'. POOH w/15 jnts tbg. W/EOT @ 10,480' RU swab lubricator and start swabbing. Fd IFL @ 4,100' make 12 runs and recover 50 bbls fluid, csg psi climbed to 400 psi. Lay dn lubricator and RIH w/15 tbg and tag PBTB @ 10,935'. POOH w/15 jnts tbg. RU and make 3 more swab runs and csg psi came up to 450, fluid level @ 4,800'. Total fluid recovered is 87 bbls. Drop 3 soap sticks dn tbg and leave csg and tbg shut in. SDFD (JD) DC \$ 7,281
Nitrogen & CO2 (JH) DC \$22,895 **AFE Total \$647,859 CC \$819,362**
- 1/22/11 FD 700 sicp, 0 ftp, 0 PPM H2s. RU swab lubricator and start swabbing. Fd 4,800' fluid level, make 20 swab runs and recover 92 bbls fluid. Fluid level dropped to 6,000' csg psi up to 850 psi. drop 3 soap sticks and leave well shut in. SDFD (RS) DC \$5,286
Supervise – Swann Consulting LLC
(JH) DC \$7,150 **AFE Total \$655,009 CC \$826,512**
- 1/25/11 Fd 60 sitp, 1,400 sicp, 0 PPM H2s. Bleed tbg off to tank. RU swab lubricator and RIH swab. Fd IFL @ 4,700'. Make 9 swab runs and recover 70 bbls fluid, well started to flow and flowed for ½ hr making good water and gas. Shut well in to break off lubricator and well died. RIH w/swab and make 1 run and pull sand into tbg. RIH w/tbg and tag sand fill @ 10,885', 96' of fill. POOH tbg and leave EOT @ 10,480'. RU and RIH

w/swab and came out w/torn cups and no fluid. Will RIH in the a.m. to clean out wellbore again. Leave well shut in and SDFD. (RS) DC \$5,211
Completion/Packer fluids
(JH) DC \$6,465 **AFE Total \$661,474** CC \$832,977

1/26/11 Fd 1,100 sicp, 50 sitp, Bleed off tbg to tank. RIH w/13 jnts tbg and tag fill @ 10,880'. RU weatherford N2 unit and wash dn to PBTD and tag @ 10,980' w/350 jnts tbg. circulate well clean. POOH w/16 jnt tbg to 10,480' and reverse circulate well w/N2. Csg psi climbed to 1,500 and tbg started to flow on its own. Tbg flowed for 45 minutes and recovered 30 bbls water then well died. Will RIH in the a.m. to check for sand. DC \$ 12,186
Nitrogen & CO2, Heat frac water
(JH) DC \$29,355 **AFE Total \$690,829** CC \$862,332

1/27/11 Fd 1,200 sicp, 400 sitp, 0 PPM H2s. Bled off tbg and RIH w/15 jnts tbg and tag fill @ 10,939'. POOH w/15 jnts tbg and pressure up on csg w/N2 to 2,000 psi. Tbg would not circulate. RIH w/swab and tag fluid level @ 4,100', make 3 swab runs and well kicked off flowing. Well flowed for 45 minutes making good water and gas then died. Pressure up on csg again to 1,500 psi and tbg started flowing, well flowed for 1 hr and recovered 20 bbls fluid then died. Csg psi dn to 750 leave well shut in and SDFD.
(RS) DC \$11,006
Rental services (JH) DC \$4,574 **AFE Total \$695,403** CC \$866,906

1/28/11 Fd 1,200 sicp, 700 sitp. Bleed tbg off to tank and start swabbing. Fd IFL @ 5,600', make 12 runs and recover 57 bbls fluid and tbg started to flow. Tbg flowed for 1 hr and recovered 10 bbls fluid, csg psi dropped to 680 psi. tbg died, RIH w/14 jnts tbg and tag fill @ 10,911' w/348 jnts tbg. POOH w/14 jnts tbg and SWI. SDFD. (RS) DC \$7,206
Rental equipment (JH) DC \$6,002 **AFE Total \$701,405** CC \$872,908

1/29/11 Fd 1,050 sicp, 550 sitp. POOH W/47 jnts tbg and w/EOT @ 8,988' start swabbing. Tag IFL @ 4,700', make 2 swab runs and well started flowing. Well flowed for 1 hr and 45 min, recovered 15 bbls fluid and csg psi fell off to 880 psi and well died. RIH w/swab, make 12 runs and recovered 29 bbls fluid. RIH w/61 jnts tbg and tag fill @ 10,911'. POOH w/14 jnts tbg and leave EOT @ 10,480'. Shut well in and SDFD. (RS) DC \$4,984
Monitor well (JH) DC \$18,789 **AFE Total \$720,194** CC \$891,697

1/30/11 Supervise – Swann Consulting LLC
(JH) DC \$3,200 **AFE Total \$723,394** CC \$894,897

2/1/11 Fd 1,500 sicp, 50 sitp, 0 PPM H2s. Open csg to fb tank and RIH w/14 jnts tbg. Tag fill @ 10,911'. RU Weatherford N2 unit and circulate well w/N2. Wash dn to 10,980'. POOH 16 jnts tbg and w/EOT @ 10,480' psi up on backside w/N2 to 1,800 psi. Well started to flow w/1,100 psi on an 8/64 ck. Well flowed for 5 hrs and recovered 57 bbls and tbg psi started to fall off fast. Tbg psi @ 300 psi, open well up on a 16/64 ck to try and keep

fluid moving up tbg and well died. Leave well open to tank for night to monitor and SDFD. (RS) DC \$10,721

Completion/Packer fluids, Heat frac water, Rental equipment
(JH) DC \$12,631 **AFE Total \$736,025** CC \$907,528

2/2/11 Fd 1,200 sicp, 0 sitp, 0 PPM H2s. RIH w/tbg broach to 10,300', broach good. RIH w/swab, fd IFL @ 4,500'. Make 5 runs and recover 24 bbls fluid and tbg started to flow. Tbg flowed for 2 hrs w/1,200 on csg psi and 400 tbg psi then died. Make 1 swab run and tbg kicked off flowing. Watch well for 1 hr. turn well over to fb crew w/900 sicp, 180 ftp on a 12/64 ck. SDFD. (RS) DC \$6,484
(JH) DC \$4,163 **AFE Total \$740,188** CC \$911,691

2/3/11 FD 1,200 sicp, 0 sitp, 0 PPM H2s. RIH w/14 jnts tbg and tag fill @ 10,937'. POOH 30 jnts tbg and land well @ 9,990' w/318 jnts 2 3/8" EUE 8 rmd N-80 tbg. ND Nabors BOP and NU well head and RU flow line. RU swab lubricator. Make 1 swab run and Fd IFL @ 5,400', make 4 runs and recover 30 bbls fluid and well kicked off flowing. Turn well over to sales w/500 ftp, 1,100 sicp on a 10/64 ck. Total fluid recovered 580 bbls BLWTR 7,952 bbls. SDFD. (RS) DC \$7,656
Rental services, Supervise – Swann Consulting LLC, Transportation, Monitor well (JH) DC \$13,726 **AFE Total \$753,914** CC \$925,417

2/04/11 MIRU Triple J Services Swabbing Unit. Thaw flow lines and production unit to blow down tubing. Begin swabbing. Beginning tubing psi 460 last tubing psi 260, beginning casing psi 1260 last tubing psi 1000. Made 3 runs and flowed well to tank until clean, then sent down the sales line. SDFN well left flowing down sales line. DC \$1,971 (SD).
Rental equipment, Tubular testing/Inspection
(JH) DC \$5,978 **AFE Total \$759,892** CC \$931,395

2/05/11 Swabbed well on a total of three times flowing about 2 hours each time. Made a total of 9 runs. Beginning tubing psi 120, last tubing psi 380. Beginning casing psi 1210, last casing psi 880. After swabbing it on the last time well was shut in to build pressure. DC \$2,256 (SD).
Swabbing (JH) DC \$1,971 **AFE Total \$761,863** CC \$933,366

2/06/11 Swabbing (JH) DC \$2,256 **AFE Total \$764,119** CC \$935,622

2/07/11 Swabbed well on three times flowing down sales line each time. Made a total of 7 runs recovering 34 bbls for the day 111 bbls since swabbing started. Beginning tubing psi 1100 last tubing psi 100, beginning casing psi 1200 last casing psi 880 psi. Fluid level in the tubing was found @ 3800' and left @1800'. SDFN DC \$2,256. (SD)

02/08/11 Swabbed well on 2 times flowing down sales line each time. Made a total of 7 runs recovering 55 bbls for the day 166 bbls since swabbing started. Beginning tubing psi 650 last tubing psi 300, beginning casing psi 1120

last casing psi 810 psi. Fluid level in the tubing was found @ 5500' and left @ 2000'. SDFN DC \$2,256. (SD)
Swabbing, Completion/Packer fluids
(JH) DC \$4,660 **AFE Total \$768,779** CC \$940,282

02/09/11 RDMO location with Triple J Swabbing to swab another well. Shot Fluid Level and found fluid level at 8188' which is 1783' above the SN. (SD)
Swabbing (JH) DC \$2,256 **AFE Total \$771,035** CC \$942,538

02/10/11 Swabbed well on 2 times flowing down sales line each time. Made a total of 6 runs recovering 72 bbls for the day 238 bbls since swabbing started. Beginning tubing psi 80 last tubing psi 200, beginning casing psi 1250 last casing psi 910 psi. Fluid level in the tubing was found @ 5400' and left @ 4000'. SDFN DC \$2,843. (SD)
Rental services (JH) DC \$289 **AFE Total \$771,324** CC \$942,827

02/11/11 Swabbed well on 1 time flowing down sales line each time. Well made 3 plunger runs on it own 2 with tank assist 1 without tank assist. Made a total of 1 run recovering 45 bbls for the day, and 283 bbls since swabbing started. Beginning tubing psi 640 last tubing psi 460, beginning casing psi 1200 last casing psi 1000 psi. Fluid level in the tubing was found @ 5500'. SDFN DC \$2,603. (SD)
Swabbing (JH) DC \$2,844 **AFE Total \$774,168** CC \$945,671

2/12/11 Swabbing (JH) DC \$2,603 **AFE Total \$776,771** CC \$948,274

02/14/11 Swabbed well on 2 times, tried to cycle plunger after each time, but was unsuccessful. Shut well in to build pressure to cycle plunger tomorrow. Made a total of 5 runs recovering 35 bbls for the day, and 318 bbls since swabbing started. Beginning tubing psi 490 last tubing psi 400, beginning casing psi 1240 last casing psi 980 psi. Fluid level in the tubing was found @ 3900' and left @ 1500'. SDFN DC \$2,196. (SD)
Swabbing (JH) DC \$2,196 **AFE Total \$778,967** CC \$950,470

02/15/11 Swabbed well on 2 times flowing down sales line each time. After the second time we pulled the plunger, shut the tubing, and open casing to sales. Made a total of 3 runs recovering 47 bbls for the day, and 365 bbls since swabbing started. Beginning tubing psi 940 last tubing psi 30, beginning casing psi 1200 last casing psi 700. Fluid level in the tubing was found @ 4800' and left at 1500'. SDFN DC \$2,140. (SD)
Water disposal, Swabbing
(JH) DC \$2,727 **AFE Total \$781,694** CC \$953,197

02/16/11 Shot Fluid level and found fluid level at 6203' which is 3767' above the SN. Well opened to sales through the casing all night. Beginning csg psi 120 ending csg. psi 500 opened to sales. Beginning tbg psi 600 ending tbg. 40 psi shut it. Made a total of 12 runs, recovering 47 bbls for the day, and 412 bbls since swabbing started. Fluid level in the tubing was found

@ 5700' and left at 4000'. The first 5 runs were all water, and the remaining 7 runs were very gas cut. SDFN DC \$2,372. (SD)
Swabbing (JH) DC \$2,372 **AFE Total \$784,066** CC \$955,569

02/17/11 Well opened to sales through the casing all night. Beginning csg psi 140 ending csg. psi 600 opened to sales. Beginning tbg psi 140 ending tbg. Psi open to tank then shut it. Made a total of 15 runs, recovering 57 bbls for the day, and 469 bbls since swabbing started. Fluid level in the tubing was found @ 6500' and left at 4500'. The first 3 runs were all water, and the remaining 12 runs were very gas cut. SDFN DC \$2,465. (SD)
Swabbing (JH) DC \$2,465 **AFE Total \$786,531** CC \$958,034

02/18/11 Well opened to sales through the casing all night. Beginning csg psi 160 ending csg. psi 600 Shut in for the weekend. Beginning tbg psi 160 ending tbg. Psi 20 to tank then shut it. Made a total of 16 runs, recovering 51 bbls for the day, and 520 bbls since swabbing started. Fluid level in the tubing was found @ 6500' and left at 4000'. The first 3 runs were all water, and the remaining 12 runs were very gas cut.
SDFN DC \$2,372. (SD)
Swabbing (JH) DC \$2,372 **AFE Total \$788,903** CC \$960,406

02/22/11 Well shut in through the weekend to build pressure. Beginning csg psi 1180 ending csg. psi 920 opened to sales. Beginning tbg psi 1325 ending tbg. Psi 600 open to tank then shut it. Made a total of 1 run, recovering 30 bbls for the day, and 550 bbls since swabbing started. Fluid level in the tubing was found @ 5700' and left at 5700'. SDFN DC \$2,140. (SD)
Swabbing (JH) DC \$2,140 **AFE Total \$791,043** CC \$962,546

02/23/11 Well shut in over night to build pressure. Beginning csg psi 1150 ending csg. psi 870 opened to sales. Beginning tbg psi 920 ending tbg. Psi 500 open to tank then shut it. Made a total of 3 run, recovering 40 bbls for the day, and 590 bbls since swabbing started. Fluid level in the tubing was found @ 4500' and left at 2000'. SDFN DC \$2,751. (SD)
Swabbing (JH) DC \$2,751 **AFE Total \$793,794** CC \$965,297

02/24/11 Well shut in over night to build pressure. Beginning csg psi 1140 ending csg. psi 820 opened to sales. Beginning tbg psi 860 ending tbg. Psi 520 open to tank then shut it. Made a total of 4 runs, recovering 32 bbls for the day, and 622 bbls since swabbing started. Fluid level in the tubing was found @ 4500' and left at 2000'. SDFN DC \$2,751. (SD)
Swabbing, Rental equipment
(JH) DC \$3,771 **AFE Total \$797,565** CC \$969,068

3/1/11 MIRU Double Hook well service. Spot in support equipment. SDFD. (RS)
DC \$6,591
Rig work, Rental equipment, Transportation, Frac tank rental
(JH) DC \$26,644 **AFE Total \$824,209** CC \$9995,712

3/2/11

Bleed off tbg and ND well head, NU 7" 5k Weatherford BOP. Tbg started to flow, pump 15 bbls dn tbg and RIH w/29 jnts tbg. install string float and RIH w/1 jnt tbg and tag fill @ 10,920'. RU weatherford N2 unit and circulate well w/N2. Wash dn 2 jnts tbg and tag PBTD @ 10,980 w/350 jnts tbg. circulate well clean and POOH w/76 jnts tbg and install tbg hanger. **Land well @ 8,582' w/274 jnts 2 3/8" EUE 8 rnd 4.7# N-80 tbg.** RU flow line and RDMO Double Hook well service. Pump N2 dn back side to kick well off. Turn well over to FB crew to clean up N2. SDFD. (RS) DC \$13,229

Gasco Production Company

Federal 14-18-2 #1

SW SW of Section 18-T10S-R18E

Uintah County Utah,

043-047-34539

RU for Hail Mary Frac

- 12/1/10 MIRU 4 Corners well service and spot in support equipment.
SDFD. (RS) DC \$5,305
Transportation, Frac tank rental
(JH) DC \$34,261 **AFE Total \$34,261** CC \$205,764
- 12/2/10 Fd 800 sicp, 800 sitp, 0 ppm H₂s @ the well head. Spot in cat walk and pipe racks, RU pump and lines and pump 30 bbls 2% kcl dn tbg and ND well head, NU BOP. Remove tbg hanger and lay dn 1 jnts tbg. Leave well to sales and SDFD. (RS) DC \$7,141
Rental equipment and services, Transportation
(JH) DC \$8,213 **AFE Total \$42,474** CC \$213,977
- 12/3/10 Fd 110 fcp, 100 sitp, 0 ppm H₂s. Pump 20 bbls 2% kcl dn tbg and POOH w/209 jnts tbg. Scale started to form @ 6,583' and dn, scale became thicker the deeper it went. OOH w/ total 272 jts tbg. Turn well over to sales and SDFD. (RS) DC \$7,581
Fishing Services, Transportation
(JH) DC \$33,922 **AFE Total \$76,396** CC \$247,899
- 12/4/10 Fd 150 fcp, 140 sitp, 0 ppm H₂s. Pump 30 bbls 2% kcl dn tbg and POOH w/50 jnts tbg + X-nipple + bottom of POBS. RIH RBS 3 3/4" shoe+2 7/8" bumper sub+223 jnts tbg. leave EOT @ 6,935' and turn well to sales for day and SDFD. (RS) DC \$16,691
Transportation, Nitrogen & CO₂
(JH) DC \$13,515 **AFE Total \$89,911** CC \$261,414
- 12/5/10 Fd 0 fcp, 0 sitp, 0 ppm H₂s. Pump 30 bbls 2% kcl dn tbg. RIH w/128 jnts of tbg and tag @ 10,936' w/351 jnts tbg. PU Nabors Oil Tools power swivel and RU Ace west N₂ unit. Circulate well and wash dn to 10,964' and tag bit sub. Clean dn to 10,977' w/353 jnts tbg. circulate hole clean and POOH w/52 jnts tbg and leave well to sales. SDFD. (RS) DC \$27,360
Nitrogen & CO₂ (JH) DC \$20,939 **AFE Total \$110,850** CC \$282,353
- 12/6/10 0 fcp, 0 sitp, 0 ppm H₂s. POOH w/301 jnts tbg+BHA and did not have fish in tbg. Shoe had good marks inside the shoe indicating POBS was inside. RIH w/over shot+bumper sub+300 jnts tbg and Leave EOT @ 9,357 and turn well to sales and SDFD. (RS) DC \$9,406
Transportation, Supervise – Swann Consulting LLC
(JH) DC \$9,690 **AFE Total \$120,540** CC \$292,043

12/7/10 Fd 150 fcp, 200 sitp, 0 ppm H2s. Pump 30 bbls dn tbg and RIH w/52 jnts tbg. PU Nabors Oil tools power swivel. RIH w/jnt 353 and tag fish top @ 10,977'. Pull and had to set jars off 3 times to get free. POOH w/185 jnts tbg. the right angle drive broke on the rig. Turn well to sales and SDFD. (RS) DC \$9,926
Completion/Packer fluids, Nitrogen & CO2
(JH) DC \$15,871 **AFE Total \$136,411** CC \$307,914

12/8/10 No work on well today. Waiting on right angle drive.

12/9/10 No work on well today. Waiting on right angle drive.
Completion/Packer fluids
(JH) DC \$222 **AFE Total \$136,633** CC \$308,136

12/10/10 Fd 0 fcp, 0 sitp, 0 ppm H2s. POOH w/168 jnts tbg and BHA, did not have fish. RIH w/fang mill+bit sub+Bowen+LBS+Bowen jar+4 drill collars+bowen intensifier+xo sub+294 jnts tbg. left EOT @ 9,308'. Leave well to sales and SDFD. (RS) DC \$13,526
Transportation (JH) DC \$5,615 **AFE Total \$142,248** CC \$313,751

12/11/10 FD 0 fcp, 0 sitp, 0 PPM H2s. RIH w/54 jnts tbg and pick up nabors oil tools power swivel. Tag @ 10,979' w/348 jnts tbg. RU Weatherford N2 unit and mill dn to 10,980', could not get any deeper. POOH w/51 jnts tbg. RDMO Weatherford. Leave EOT @ 9,401' w/297 jnts tbg. leave well to sales up csg for night and SDFD. (RS) DC \$22,916
Treating (JH) DC \$5,021 **AFE Total \$147,269** CC \$318,772

12/12/10 Fd 0 fcp, 0 sitp, 0 PPM H2s. Pump 30 bbls 2% dn tbg and POOH w/297 jnts tbg. MIRU JW wireline and RIH w/2 3/4" scalloped guns. **Perf f/8,574-76', 8,588-90', 8,698-702', 8,907-12', 9,050-55', 9,434-36', 9,462-64', 9,550-52', 9,617-19', 9,634-36', 9,644-54', 9,666-70', 9,782-84', 9,830-32', 9,848-50', 9,866-70', 9,997-99', 10,060-62', 10,072-74', 10,533-35', 10,551-53', 10,564-66', 10,580-84', 10,590-92', 10,642-44', 10,716-18', 10,782-86', 10,818-20', 10,842-44', 10,856-58', 10,885-87', 10,906-08'.** POOH. RDMO JW wireline and leave well to sales up csg for night. SDFD. (RS) DC \$33,248
Perforate (JH) DC \$28,277 **AFE Total \$175,546** CC \$347,049

12/13/10 Fd 100 fcp, 100 sitp, 0 PPM H2s. blow csg dn to tank and RIH w/blade bit+scraper+6'pup jnt+353 jnts tbg and tag PBTD @ 10,980'. Lay dn 3 jnts tbg and POOH 350 jnts tbg and lay dn BHA. Leave well to sales up csg for night and SDFD. (RS) DC \$7,611
Supervise – Swann Consulting LLC
(JH) DC \$10,365 **AFE Total \$185,911** CC \$357,414

12/14/10 Fd 200 fcp, 0 PPM H2s RIH w/nabors oil tools and bridge plug and 275 jnts tbg. set plug @ 8,568' and POOH w/275 jnts tbg. Remove 7" 5k BOP and install 10k production tree. MIRU BC quick test and test csg to 8,500

and watch for 15 min, test good. Bleed psi off and leave well to sales for night. SDFD. (RS) DC \$11,539
Pressure testing, Completion/Packer fluids, Transportation
(JH) DC \$18,415 **AFE Total \$204,326** CC \$375,829

12/15/10 Fd 0 sicp, 0 PPM H2s. BP @ 8,500'. Remove 4 1/16" blind flange and install 7" 5k BOP. RIH w/retrieving tool+6' tbg sub+HD packer+x-nipple w/plug in place to displace csg+273 jnts tbg. MIRU Delsco and RIH w/fishing tool. Retrieve X plug and POOH. RIH w/2 jnts tbg and release BP. RIH w/another 177 jnts tbg and set BP @ 10,919'. POOH w/3 jnts tbg and set HD packer @ 10,830' w/347 jnts tbg+25' pup jnt. Install pop off on csg valve and set @ 4,000 psi. MIRU Frac tech and psi test lines to 9,000 psi, test good. **Stage-1 perfs f/(10,842-44', 10,856-58', 10,885-87', 10,906-08')** 24 total holes. Pump 5 bbls 2% kcl followed by 250 gal 15% HCL and drop 1 bio ball every 12 gal's acid drop 1 bio ball every 12 gal's, total of 21 balls, flushed w/49 bbls 2% kcl. SD, ISIP 0 psi. @ 18 bbls psi came up to 8,000 psi, @ 2.5 bpm. @ 60 bbls psi broke back to 1,200 increase rate to 4 bpm. Release packer and POOH 20 jnts tbg. leave EOT @ 10,608' and leave well shut in for night. SDFD. (RS) DC \$12,106
Treating, Rental equipment, Wireline service
(JH) DC \$17,973 **AFE Total \$222,299** CC \$393,802

12/16/10 Fd 0 sicp, 0 sitp, 0 PPM H2s. RIH for **stage-2 perfs f/(10,551-53', 10,654-66', 10,580-84', 10,590-92', 10,642-44', 10,684-86', 10,716-18', 10,782-86', 10,818-20')**, total 96 holes (30 re perfs). Set plug @ 10,830' w/347 jnts tbg, POOH 9 jnts and set HD packer @ 10,530' w/388 jts tbg. Psi test Frac tech lines to 8,500 psi, test good. Pump 5 bbls 2% kcl followed by 250 gal 15% HCL drop 1 bio ball every 5 gal acid, total of 57 balls, flushed w/55 bbls 2% kcl, SD ISIP 0. When balls hit formation psi went from 1,500 to 2,100 then broke back (fair ball action). Release packer and RIH w/9 jnts tbg and release plug. **Stage 3 perfs f/(9,666-70', 9,782-84', 9,830-32', 9,848-50', 9,866-70', 9,997-99', 10,060-62', 10,072-74', 10,533-35')** total 84 holes (18 re shots) POOH 9 jnts and set plug @ 10,540' w/388 jnts tbg, POOH 28 jnts tbg and set packer @ 9,657' w/310 jnts tbg. Pump 5 bbls 2% kcl followed by 250 gal 15% HCL acid, drop 1 bio ball every 5 gal, 50 balls total, flushed w/60 bbls 2% kcl. SD, ISIP 0. pumping psi 1,300, did not see any ball action. Annulus had 130 psi after flush. Release packer and RIH w/28 jnts tbg, release plug. **Stage-4 perfs f/(9,434-36', 9,462-64', 9,550-52', 9,617-19', 9,634-36', 9,644-54')**, total 90 holes (30 re perfs). POOH 28 jnts tbg and set plug 9,657' w/310 jnts tbg, POOH 8 jnts tbg and set packer @ 9,406 w/302 jnts tbg. Pump 5 bbls 2% kcl followed by 250 gals 15% HCL, drop 1 bio ball sealer every 5 gals, flushed w/50 bbls 2% kcl. SD, ISIP 0 psi. annulus had 45 psi after flush. Pumping psi 850, did not see any ball action. Release packer, RIH w/8 jnts tbg and release plug. **Stage-5 perf f/8,574-76', 8,588-90', 8,698-702', 8,907-12', 9,050-55'**, Total 72 holes (18 re perfs). POOH w/18 jnts tbg and set plug @ 9,100' w/292 jnts, POOH w/19 jnts and set HD packer @ 8,507' w/273 jnts tbg. RU and pump 5 bbls 2% kcl followed by 250 gals 15% HCL acid, drop 1 bio ball every 6 gal acid, 43 total balls, flushed

w/52 bbls. @ 42 bbls tbg psi came up to 4,000 psi and packer started to leak, annulus came up to 2,000 psi. SD, Release packer and pump another 42 bbls 2% kcl dn tbg and psi came up to 6,000 psi. could not break dn perms w/5k BOP. POOH 5 jnts tbg and leave well shut in for night. (RS) DC \$6,726. Labor, Transportation, Rental equipment (JH) DC \$15,468 **AFE Total \$237,767 CC \$409,270**

12/17/10 Fd 0 sicp, 0 sitp, 0 PPM H2s. POOH w/268 jnts tbg and lay dn BHA. RIH w/retrieving tool+tbg sub+new HD packer+x-nipple+273 jnts tbg and set packer @ 8,507'. RU and pump 5 bbls 2% kcl followed by 500 gal 15% HCL acid, drop 1 bio ball every 6 gal acid for total of 43 ball's, flushed w/52 bbls. SD, ISIP 3,000 psi. When ball's hit formation psi came up to 6,100, saw good ball action. Bleed tbg to 90 psi and shut, in psi came up to 2,000 psi in 2 min. release packer and psi went to 0. RIH w/19 jnts tbg and release plug, POOH w/20 jnts tbg and leave EOT @ 8,439' w/272 jnts tbg. leave well shut in and SDFD. (RS) DC \$ 17,595
Heat frac water
(JH) DC \$7,333 **AFE Total \$245,100 CC \$416,603**

12/18/10 Fd 0 sicp, 0 sitp, 0 PPM H2s. Finish POOH tbg and lay dn BHA. ND BOP, NU 4" 10k frac tree. Move tbg and racks to edge of location and RDMO four corners well service. SDFD. (RS)
Transportation (JH) DC \$5,430 **AFE Total \$250,530 CC \$422,033**

12/20/10 RU to frac Hail Mary stage f/8,574-76', 8,588-90', 8,698-702', 8,907-12', 9,050-55', 9,434-36', 9,462-64', 9,550-52', 9,617-19', 9,634-36', 9,644-54', 9,666-70', 9,782-84', 9,830-32', 9,848-50', 9,866-70', 9,997-99', 10,060-62', 10,072-74', 10,533-35', 10,551-53', 10,564-66', 10,580-84', 10,590-92', 10,642-44', 10,716-18', 10,782-86', 10,818-20', 10,842-44', 10,856-58', 10,855-58', 10,906-08'. MIRU stinger well head isolation tool. Unable to sting into well head w/13.5# cups, POOH and replace w/15.10# cups and RIH, stinger set. MIRU Frac tech pumping services and psi test frac lines to 9,500 psi. Max psi to be 8,500. Have safety meeting. Open psi 400 psi.. FR slick water frac well w/ 558,878# 40/70 white sand, 7,824 bbls 2% FR slick water (CLO2 water), and flushed w/128 bbls 2% CLO2 water. SD, ISIP 4,112 FG .86 5 min shut in 4,035, 10 min shut in 4,006, 15 min shut in 3,982. Average rate 42.8 bpm, average psi 6,470. Start pumping into perms w/6,000 @ 20 bpm. Increase rate to 50 bpm and start sand and dropping 1 bio ball every 20 bbls. @ 72 balls gone pressure came up to 7,500, drop rate to 45 bpm and pump 50 bbls sweep. Did not seem to help psi, drop balls every 40 bbls. @ 3,550 bbls pumped psi still climbing, cut sand and drop 13 bio balls w/100 bbls sweep. When balls hit saw excellent ball action and psi break, go back to 1 ball every 20 bbls. @ 4,342 bbls gone psi looked like well was screening out, drop rate to 40 bpm and pump 50 bbls sweep w/no ball's, when sweep hit psi broke over. Start dropping ball's every 20 bbls w/2# sand. Job started to look very good, @ 6,143 bbls gone Frac tech started to have trouble w/there pump truck's, rate dropped to 35 bpm. Psi looked like we were loosing ball's, start dropping ball's every 10 bbls for last 400 bbls of

the job. Over all the job pumped very well. SWI and wait for coil tbg.
 SDFD. (JD) DC \$136,397
 Fracturing, Rental equipment, Transportation
 (JH) DC \$137,597 **AFE Total \$388,127** CC \$559,630

- 12/21/10 MIRU CTS Coil tbg and have safety meeting. PSI test lines to 6,000 psi, test good. Open well and well had 3,600 psi. RIH w/1 ¾" wash nozzle on 1 ¾ coil tbg. Pump 1 bpm while RIH. Tag sand @ 9,028 increase rate to 2 bpm, + 500 scf N2. Start washing dn, every 100' of hole made POOH 20' and pump 10 bbl gel sweep every 400', psi @ 3,100 flowing about 2 bpm on a 14/64 ck. Tag solid @ 9,656' had to push 10k dn to get through. When fell through bridge psi came up to 3,400 still on a 14/64 ck. Did not see any washing action from 9,700' to 10,960'. Tag PBTD @ 10,960' coil tbg measurement. Pump 20 bbls gel sweep @ bottom perf and start OOH. Pump 2 bpm + 500 scf N2 until above perms. Kill fluid and blow N2 from 8,000 to surface. OOH w/coil. RDMO CTS. Turn well over to FB @ 5:17 p.m. w/3,200 on a 12/64 ck. DC \$33,529
 Completion/Packer fluids, Coiled tbg unit, Heat frac water, Rental equip.
 (JH) DC \$54,482 **AFE Total \$442,609** CC \$614,112
- 12/22/10 7:00 a.m. 500 on a 14/64 ck. Made 793 bbls in 13 hrs 45 min, BLWTR 7,159 bbls. (JD)
- 12/23/10 7:00 a.m. 100 psi on a 14/64 ck. TR 1,027 bbls, BLWTR 6,925 bbls turn well to sales @ 9:15 a.m. on a 10/64 ck. Will have rig on loc next week to RIH tbg. (JD)
 Monitor well (JH) DC \$6,615 **AFE Total \$449,224** CC \$620,727
- 12/28/10 Spot in Double Hook Rig #1. (JD) DC \$ 2,400
 Water disposal, Completion/Packer fluids, Supervise – Swann Consulting LLC (JH) DC \$12,947 **AFE Total \$462,171** CC \$633,674
- 12/29/10 Clean snow and spot in and RU Double Hook Rig #1. spot in pipe rack's and load w/pipe. Talley all tbg to get ready for tomorrow, wait on Nabors oil tools for BOP. SDFD. (RS) DC\$ 3,180
 Labor, Transportation, Nitrogen & CO2, Rental equipment
 (JH) DC \$11,530 **AFE Total \$473,701** CC \$645,204
- 12/30/10 Fd 100 fcp, 0 PPM H2s. pump 20 bbls 2% kcl dn csg and well pressured up to 2,000 psi and did not bleed off. Open well to fb tnk, psi bled off to 100 flowing sand. Decision was made between (JD, CW, RS) to not run tbg, fear of sanding in the tbg string after shut down. RDMO Double Hook. SWI and SDFD. (RS) DC \$6,790
 Rental services/Close out costs
 (JH) DC \$4,658 **AFE Total \$478,359** CC \$649,862
- 12/31/10 Fd 0 fcp. MIRU Coil Tbg Services, (Mike Anderson). Have safety meeting, psi test lines to 6,000 psi. Pumping ½ bpm RIH w/wash nozzle

on 2" coil tbg. @ 8,000' increase rate to 1 ½ bpm +500 scf N2 w/16/64 ck @ manifold. Tag sand fill @ 8,700', (top perf 8,574'). Flowing w/ 1,000 psi @ manifold, wash dn 300' and stopped seeing weight loss, psi increased to 1,500 psi. RIH to 10,690' and tag solid, push 10k dn and washed through bridge. Wash dn and tag PBTd @ 10,690'. Pump 20 bbl gel sweep out the end of coil and start POOH. Well flowing w/2,500 on a 16/64 ck. OOH w/coil, shut blind rams in and turn well to flow back @ 3:43 p.m. w/2,100 on a 16/64 ck. 4:00 p.m. psi dn to 1,500 psi, open ck to 18/64. 4:30 psi dn to 900 psi, open ck to 20/64. 5:00 p.m. well died, open ck to full open. 7:30 p.m. well started to kick and made 20 bbls w/a lot of gas, 8:10 p.m. well died, SWI to build psi, will RIH coil in the a.m. to clean out sand. SDFD. (JD)

Coiled tbg unit, Heat frac water

(JH) DC \$80,944 **AFE Total \$559,303** CC \$730,806

- 1/1/11 Fd 0 psi fcp. SWI to see if it will build psi.
- 1/2/11 Fd that well will not build psi. Release FB crew and leave well shut in until a rig can move in and run tbg in the hole. DC \$9,323 **AFE Total \$478,399** CC \$636,197 (JD)
- 1/3/11 Monitor well (JH) DC \$9,324 **AFE Total \$568,627** CC \$740,130
- 1/4/11 Water disposal, Completion/Packer fluids
(JH) DC \$4,907 **AFE Total \$573,534** CC \$745,037
- 1/5/11 Updated late costs : Water Hauling \$14,269
Updated late costs : Water treatment \$2,700
(JH) DC \$16,969 **AFE Total \$590,503** CC \$762,006
- 1/11/11 Trucking water, Rental services
(JH) DC \$5,163 **AFE Total \$595,666** CC \$767,169
- 1/13/11 Rental equipment (JH) DC \$1,840 **AFE Total \$597,506** CC \$769,009
- 1/14/11 Fd 0 fcp, 0 PPM H2S. MIRU Double Hook Well Service Rig #1. Spot in support equipment. Turn well over to fb crew to watch for night. SDFD. (RS) DC \$3,426
Transportation, Rental equipment, Supervise – Swann Consulting LLC
(JH) DC \$5,208 **AFE Total \$602,714** CC \$774,217
- 1/15/11 FD 0 fcp, 0 PPM H2S. Heat frac tank to 120 degrees. ND 4" 10k frac tree, NU 7" 5k BOP. Tally and RIH w/notched collar+x-nipple+205 jnts 2 3/8" EUE 8 rnd 4.7# N-80 tbg. Leave EOT @ 6,377' w/205 jnts tbg. Left well shut in. SDFD. (RS) DC \$5,106
Heat frac water (JH) DC \$5,735 **AFE Total \$608,449** CC \$779,952

- 1/18/11 Fd 0 sicp, 0 PPM H2s. RIH w/136 jnts tbg and tag fill @ 10,681' w/341 jnts tbg. POOH w/11 jnts tbg and leave EOT @ 10,335' w/330 jnts tbg. leave well shut in and SDFD. (RS) DC \$5,111
Water disposal, Transportation
(JH) DC \$4,201 **AFE Total \$612,650 CC \$784,153**
- 1/19/11 Fd 0 sicp, 0 PPM H2s RIH w/ 10 tbg and install 2 3/8" string float. MIRU Weatherford N2 unit and start pumping dn tbg. get circulation and wash dn 9 jnts tbg and tag PBTD @ 10,980' w/349 jnts tbg. circulate well clean and pump 12 bbls kill on tbg. POOH to top perf. Leave EOT @ 8,709' w/271 jnts tbg. turn well over to fb crew to clean up and monitor for night. SDFD. (RS) DC \$13,541
Transportation, Heat frac water
(JH) DC \$4,335 **AFE Total \$616,985 CC \$788,488**
- 1/20/11 Fd 50 sitp, 0 sicp. Well did not recover any water through the night. RIH w/73 jnts tbg and install 2 3/8 string float @ 10,805'. Wash dn 5 jnts tbg and tag PBTD @ 10,980' circulate for 30 min and POOH 5 jnts tbg. Remove string float and POOH 73 jnts tbg. Install string float @ 8,401' w/271 jnts to be above perms. RIH w/78 jnts tbg and tag PBTD @ 10,980'. RU Weatherford N2 unit and circulate well for 3 hrs, saw a lot of sand @ returns. POOH w/78 jnts tbg and leave EOT @ 8,79' w/272 jnts tbg. turn well over to fb to clean up. SDFD. (RS) DC \$13,011
Transportation, Rental services
(JH) DC \$7,979 **AFE Total \$624,964 CC \$796,467**
- 1/21/11 Fd 0 sitp, 900 sicp. Pump 10 bbls 2% kcl dn tbg. RIH w/77 jnts tbg and tag fill @ 10,941'. POOH w/15 jnts tbg. W/EOT @ 10,480' RU swab lubricator and start swabbing. Fd IFL @ 4,100' make 12 runs and recover 50 bbls fluid, csg psi climbed to 400 psi. Lay dn lubricator and RIH w/15 tbg and tag PBTD @ 10,935'. POOH w/15 jnts tbg. RU and make 3 more swab runs and csg psi came up to 450, fluid level @ 4,800'. Total fluid recovered is 87 bbls. Drop 3 soap sticks dn tbg and leave csg and tbg shut in. SDFD (JD) DC \$ 7,281
Nitrogen & CO2 (JH) DC \$22,895 **AFE Total \$647,859 CC \$819,362**
- 1/22/11 FD 700 sicp, 0 ftp, 0 PPM H2s. RU swab lubricator and start swabbing. Fd 4,800' fluid level, make 20 swab runs and recover 92 bbls fluid. Fluid level dropped to 6,000' csg psi up to 850 psi. drop 3 soap sticks and leave well shut in. SDFD (RS) DC \$5,286
Supervise – Swann Consulting LLC
(JH) DC \$7,150 **AFE Total \$655,009 CC \$826,512**
- 1/25/11 Fd 60 sitp, 1,400 sicp, 0 PPM H2s. Bleed tbg off to tank. RU swab lubricator and RIH swab. Fd IFL @ 4,700'. Make 9 swab runs and recover 70 bbls fluid, well started to flow and flowed for ½ hr making good water and gas. Shut well in to break off lubricator and well died. RIH w/swab and make 1 run and pull sand into tbg. RIH w/tbg and tag sand fill @ 10,885', 96' of fill. POOH tbg and leave EOT @ 10,480'. RU and RIH

w/swab and came out w/torn cups and no fluid. Will RIH in the a.m. to clean out wellbore again. Leave well shut in and SDFD. (RS) DC \$5,211
Completion/Packer fluids
(JH) DC \$6,465 **AFE Total \$661,474** CC \$832,977

1/26/11 Fd 1,100 sicp, 50 sitp, Bleed off tbg to tank. RIH w/13 jnts tbg and tag fill @ 10,880'. RU weatherford N2 unit and wash dn to PBTD and tag @ 10,980' w/350 jnts tbg. circulate well clean. POOH w/16 jnt tbg to 10,480' and reverse circulate well w/N2. Csg psi climbed to 1,500 and tbg started to flow on its own. Tbg flowed for 45 minutes and recovered 30 bbls water then well died. Will RIH in the a.m. to check for sand. DC \$ 12,186
Nitrogen & CO2, Heat frac water
(JH) DC \$29,355 **AFE Total \$690,829** CC \$862,332

1/27/11 Fd 1,200 sicp, 400 sitp, 0 PPM H2s. Bled off tbg and RIH w/15 jnts tbg and tag fill @ 10,939'. POOH w/15 jnts tbg and pressure up on csg w/N2 to 2,000 psi. Tbg would not circulate. RIH w/swab and tag fluid level @ 4,100', make 3 swab runs and well kicked off flowing. Well flowed for 45 minutes making good water and gas then died. Pressure up on csg again to 1,500 psi and tbg started flowing, well flowed for 1 hr and recovered 20 bbls fluid then died. Csg psi dn to 750 leave well shut in and SDFD.
(RS) DC \$11,006
Rental services (JH) DC \$4,574 **AFE Total \$695,403** CC \$866,906

1/28/11 Fd 1,200 sicp, 700 sitp. Bleed tbg off to tank and start swabbing. Fd IFL @ 5,600', make 12 runs and recover 57 bbls fluid and tbg started to flow. Tbg flowed for 1 hr and recovered 10 bbls fluid, csg psi dropped to 680 psi. tbg died, RIH w/14 jnts tbg and tag fill @ 10,911' w/348 jnts tbg. POOH w/14 jnts tbg and SWI. SDFD. (RS) DC \$7,206
Rental equipment (JH) DC \$6,002 **AFE Total \$701,405** CC \$872,908

1/29/11 Fd 1,050 sicp, 550 sitp. POOH W/47 jnts tbg and w/EOT @ 8,988' start swabbing. Tag IFL @ 4,700', make 2 swab runs and well started flowing. Well flowed for 1 hr and 45 min, recovered 15 bbls fluid and csg psi fell off to 880 psi and well died. RIH w/swab, make 12 runs and recovered 29 bbls fluid. RIH w/61 jnts tbg and tag fill @ 10,911'. POOH w/14 jnts tbg and leave EOT @ 10,480'. Shut well in and SDFD. (RS) DC \$4,984
Monitor well (JH) DC \$18,789 **AFE Total \$720,194** CC \$891,697

1/30/11 Supervise – Swann Consulting LLC
(JH) DC \$3,200 **AFE Total \$723,394** CC \$894,897

2/1/11 Fd 1,500 sicp, 50 sitp, 0 PPM H2s. Open csg to fb tank and RIH w/14 jnts tbg. Tag fill @ 10,911'. RU Weatherford N2 unit and circulate well w/N2. Wash dn to 10,980'. POOH 16 jnts tbg and w/EOT @ 10,480' psi up on backside w/N2 to 1,800 psi. Well started to flow w/1,100 psi on an 8/64 ck. Well flowed for 5 hrs and recovered 57 bbls and tbg psi started to fall off fast. Tbg psi @ 300 psi, open well up on a 16/64 ck to try and keep

fluid moving up tbg and well died. Leave well open to tank for night to monitor and SDFD. (RS) DC \$10,721

Completion/Packer fluids, Heat frac water, Rental equipment
(JH) DC \$12,631 **AFE Total \$736,025** CC \$907,528

2/2/11 Fd 1,200 sicp, 0 sitp, 0 PPM H2s. RIH w/tbg broach to 10,300', broach good. RIH w/swab, fd IFL @ 4,500'. Make 5 runs and recover 24 bbls fluid and tbg started to flow. Tbg flowed for 2 hrs w/1,200 on csg psi and 400 tbg psi then died. Make 1 swab run and tbg kicked off flowing. Watch well for 1 hr. turn well over to fb crew w/900 sicp, 180 ftp on a 12/64 ck. SDFD. (RS) DC \$6,484
(JH) DC \$4,163 **AFE Total \$740,188** CC \$911,691

2/3/11 FD 1,200 sicp, 0 sitp, 0 PPM H2s. RIH w/14 jnts tbg and tag fill @ 10,937'. POOH 30 jnts tbg and land well @ 9,990' w/318 jnts 2 3/8" EUE 8 rmd N-80 tbg. ND Nabors BOP and NU well head and RU flow line. RU swab lubricator. Make 1 swab run and Fd IFL @ 5,400', make 4 runs and recover 30 bbls fluid and well kicked off flowing. Turn well over to sales w/500 ftp, 1,100 sicp on a 10/64 ck. Total fluid recovered 580 bbls BLWTR 7,952 bbls. SDFD. (RS) DC \$7,656
Rental services, Supervise – Swann Consulting LLC, Transportation, Monitor well (JH) DC \$13,726 **AFE Total \$753,914** CC \$925,417

2/04/11 MIRU Triple J Services Swabbing Unit. Thaw flow lines and production unit to blow down tubing. Begin swabbing. Beginning tubing psi 460 last tubing psi 260, beginning casing psi 1260 last tubing psi 1000. Made 3 runs and flowed well to tank until clean, then sent down the sales line. SDFN well left flowing down sales line. DC \$1,971 (SD).
Rental equipment, Tubular testing/Inspection
(JH) DC \$5,978 **AFE Total \$759,892** CC \$931,395

2/05/11 Swabbed well on a total of three times flowing about 2 hours each time. Made a total of 9 runs. Beginning tubing psi 120, last tubing psi 380. Beginning casing psi 1210, last casing psi 880. After swabbing it on the last time well was shut in to build pressure. DC \$2,256 (SD).
Swabbing (JH) DC \$1,971 **AFE Total \$761,863** CC \$933,366

2/06/11 Swabbing (JH) DC \$2,256 **AFE Total \$764,119** CC \$935,622

2/07/11 Swabbed well on three times flowing down sales line each time. Made a total of 7 runs recovering 34 bbls for the day 111 bbls since swabbing started. Beginning tubing psi 1100 last tubing psi 100, beginning casing psi 1200 last casing psi 880 psi. Fluid level in the tubing was found @ 3800' and left @1800'. SDFN DC \$2,256. (SD)

02/08/11 Swabbed well on 2 times flowing down sales line each time. Made a total of 7 runs recovering 55 bbls for the day 166 bbls since swabbing started. Beginning tubing psi 650 last tubing psi 300, beginning casing psi 1120

last casing psi 810 psi. Fluid level in the tubing was found @ 5500' and left @ 2000'. SDFN DC \$2,256. (SD)
 Swabbing, Completion/Packer fluids
 (JH) DC \$4,660 **AFE Total \$768,779** CC \$940,282

02/09/11 RDMO location with Triple J Swabbing to swab another well. Shot Fluid Level and found fluid level at 8188' which is 1783' above the SN. (SD)
 Swabbing (JH) DC \$2,256 **AFE Total \$771,035** CC \$942,538

02/10/11 Swabbed well on 2 times flowing down sales line each time. Made a total of 6 runs recovering 72 bbls for the day 238 bbls since swabbing started. Beginning tubing psi 80 last tubing psi 200, beginning casing psi 1250 last casing psi 910 psi. Fluid level in the tubing was found @ 5400' and left @ 4000'. SDFN DC \$2,843. (SD)
 Rental services (JH) DC \$289 **AFE Total \$771,324** CC \$942,827

02/11/11 Swabbed well on 1 time flowing down sales line each time. Well made 3 plunger runs on it own 2 with tank assist 1 without tank assist. Made a total of 1 run recovering 45 bbls for the day, and 283 bbls since swabbing started. Beginning tubing psi 640 last tubing psi 460, beginning casing psi 1200 last casing psi 1000 psi. Fluid level in the tubing was found @ 5500'. SDFN DC \$2,603. (SD)
 Swabbing (JH) DC \$2,844 **AFE Total \$774,168** CC \$945,671

2/12/11 Swabbing (JH) DC \$2,603 **AFE Total \$776,771** CC \$948,274

02/14/11 Swabbed well on 2 times, tried to cycle plunger after each time, but was unsuccessful. Shut well in to build pressure to cycle plunger tomorrow. Made a total of 5 runs recovering 35 bbls for the day, and 318 bbls since swabbing started. Beginning tubing psi 490 last tubing psi 400, beginning casing psi 1240 last casing psi 980 psi. Fluid level in the tubing was found @ 3900' and left @ 1500'. SDFN DC \$2,196. (SD)
 Swabbing (JH) DC \$2,196 **AFE Total \$778,967** CC \$950,470

02/15/11 Swabbed well on 2 times flowing down sales line each time. After the second time we pulled the plunger, shut the tubing, and open casing to sales. Made a total of 3 runs recovering 47 bbls for the day, and 365 bbls since swabbing started. Beginning tubing psi 940 last tubing psi 30, beginning casing psi 1200 last casing psi 700. Fluid level in the tubing was found @ 4800' and left at 1500'. SDFN DC \$2,140. (SD)
 Water disposal, Swabbing
 (JH) DC \$2,727 **AFE Total \$781,694** CC \$953,197

02/16/11 Shot Fluid level and found fluid level at 6203' which is 3767' above the SN. Well opened to sales through the casing all night. Beginning csg psi 120 ending csg. psi 500 opened to sales. Beginning tbg psi 600 ending tbg. 40 psi shut it. Made a total of 12 runs, recovering 47 bbls for the day, and 412 bbls since swabbing started. Fluid level in the tubing was found

@ 5700' and left at 4000'. The first 5 runs were all water, and the remaining 7 runs were very gas cut. SDFN DC \$2,372. (SD)
Swabbing (JH) DC \$2,372 **AFE Total \$784,066** CC \$955,569

02/17/11 Well opened to sales through the casing all night. Beginning csg psi 140 ending csg. psi 600 opened to sales. Beginning tbg psi 140 ending tbg. Psi open to tank then shut it. Made a total of 15 runs, recovering 57 bbls for the day, and 469 bbls since swabbing started. Fluid level in the tubing was found @ 6500' and left at 4500'. The first 3 runs were all water, and the remaining 12 runs were very gas cut. SDFN DC \$2,465. (SD)
Swabbing (JH) DC \$2,465 **AFE Total \$786,531** CC \$958,034

02/18/11 Well opened to sales through the casing all night. Beginning csg psi 160 ending csg. psi 600 Shut in for the weekend. Beginning tbg psi 160 ending tbg. Psi 20 to tank then shut it. Made a total of 16 runs, recovering 51 bbls for the day, and 520 bbls since swabbing started. Fluid level in the tubing was found @ 6500' and left at 4000'. The first 3 runs were all water, and the remaining 12 runs were very gas cut.
SDFN DC \$2,372. (SD)
Swabbing (JH) DC \$2,372 **AFE Total \$788,903** CC \$960,406

02/22/11 Well shut in through the weekend to build pressure. Beginning csg psi 1180 ending csg. psi 920 opened to sales. Beginning tbg psi 1325 ending tbg. Psi 600 open to tank then shut it. Made a total of 1 run, recovering 30 bbls for the day, and 550 bbls since swabbing started. Fluid level in the tubing was found @ 5700' and left at 5700'. SDFN DC \$2,140. (SD)
Swabbing (JH) DC \$2,140 **AFE Total \$791,043** CC \$962,546

02/23/11 Well shut in over night to build pressure. Beginning csg psi 1150 ending csg. psi 870 opened to sales. Beginning tbg psi 920 ending tbg. Psi 500 open to tank then shut it. Made a total of 3 run, recovering 40 bbls for the day, and 590 bbls since swabbing started. Fluid level in the tubing was found @ 4500' and left at 2000'. SDFN DC \$2,751. (SD)
Swabbing (JH) DC \$2,751 **AFE Total \$793,794** CC \$965,297

02/24/11 Well shut in over night to build pressure. Beginning csg psi 1140 ending csg. psi 820 opened to sales. Beginning tbg psi 860 ending tbg. Psi 520 open to tank then shut it. Made a total of 4 runs, recovering 32 bbls for the day, and 622 bbls since swabbing started. Fluid level in the tubing was found @ 4500' and left at 2000'. SDFN DC \$2,751. (SD)
Swabbing, Rental equipment
(JH) DC \$3,771 **AFE Total \$797,565** CC \$969,068

3/1/11 MIRU Double Hook well service. Spot in support equipment. SDFD. (RS)
DC \$6,591
Rig work, Rental equipment, Transportation, Frac tank rental
(JH) DC \$26,644 **AFE Total \$824,209** CC \$9995,712

3/2/11

Bleed off tbg and ND well head, NU 7" 5k Weatherford BOP. Tbg started to flow, pump 15 bbls dn tbg and RIH w/29 jnts tbg. install string float and RIH w/1 jnt tbg and tag fill @ 10,920'. RU weatherford N2 unit and circulate well w/N2. Wash dn 2 jnts tbg and tag PBTD @ 10,980 w/350 jnts tbg. circulate well clean and POOH w/76 jnts tbg and install tbg hanger. **Land well @ 8,582' w/274 jnts 2 3/8" EUE 8 rnd 4.7# N-80 tbg.** RU flow line and RDMO Double Hook well service. Pump N2 dn back side to kick well off. Turn well over to FB crew to clean up N2. SDFD. (RS) DC \$13,229

Gasco Production Company

Federal 14-18-2 #1

SW SW of Section 18-T10S-R18E

Uintah County Utah,

043-047-34539

RU for Hail Mary Frac

- 12/1/10 MIRU 4 Corners well service and spot in support equipment.
SDFD. (RS) DC \$5,305
Transportation, Frac tank rental
(JH) DC \$34,261 **AFE Total \$34,261** CC \$205,764
- 12/2/10 Fd 800 sicp, 800 sitp, 0 ppm H₂s @ the well head. Spot in cat walk and pipe racks, RU pump and lines and pump 30 bbls 2% kcl dn tbg and ND well head, NU BOP. Remove tbg hanger and lay dn 1 jnts tbg. Leave well to sales and SDFD. (RS) DC \$7,141
Rental equipment and services, Transportation
(JH) DC \$8,213 **AFE Total \$42,474** CC \$213,977
- 12/3/10 Fd 110 fcp, 100 sitp, 0 ppm H₂s. Pump 20 bbls 2% kcl dn tbg and POOH w/209 jnts tbg. Scale started to form @ 6,583' and dn, scale became thicker the deeper it went. OOH w/ total 272 jts tbg. Turn well over to sales and SDFD. (RS) DC \$7,581
Fishing Services, Transportation
(JH) DC \$33,922 **AFE Total \$76,396** CC \$247,899
- 12/4/10 Fd 150 fcp, 140 sitp, 0 ppm H₂s. Pump 30 bbls 2% kcl dn tbg and POOH w/50 jnts tbg + X-nipple + bottom of POBS. RIH RBS 3 3/4" shoe+2 7/8" bumper sub+223 jnts tbg. leave EOT @ 6,935' and turn well to sales for day and SDFD. (RS) DC \$16,691
Transportation, Nitrogen & CO₂
(JH) DC \$13,515 **AFE Total \$89,911** CC \$261,414
- 12/5/10 Fd 0 fcp, 0 sitp, 0 ppm H₂s. Pump 30 bbls 2% kcl dn tbg. RIH w/128 jnts of tbg and tag @ 10,936' w/351 jnts tbg. PU Nabors Oil Tools power swivel and RU Ace west N₂ unit. Circulate well and wash dn to 10,964' and tag bit sub. Clean dn to 10,977' w/353 jnts tbg. circulate hole clean and POOH w/52 jnts tbg and leave well to sales. SDFD. (RS) DC \$27,360
Nitrogen & CO₂ (JH) DC \$20,939 **AFE Total \$110,850** CC \$282,353
- 12/6/10 0 fcp, 0 sitp, 0 ppm H₂s. POOH w/301 jnts tbg+BHA and did not have fish in tbg. Shoe had good marks inside the shoe indicating POBS was inside. RIH w/over shot+bumper sub+300 jnts tbg and Leave EOT @ 9,357 and turn well to sales and SDFD. (RS) DC \$9,406
Transportation, Supervise – Swann Consulting LLC
(JH) DC \$9,690 **AFE Total \$120,540** CC \$292,043

12/7/10 Fd 150 fcp, 200 sitp, 0 ppm H2s. Pump 30 bbls dn tbg and RIH w/52 jnts tbg. PU Nabors Oil tools power swivel. RIH w/jnt 353 and tag fish top @ 10,977'. Pull and had to set jars off 3 times to get free. POOH w/185 jnts tbg. the right angle drive broke on the rig. Turn well to sales and SDFD. (RS) DC \$9,926
Completion/Packer fluids, Nitrogen & CO2
(JH) DC \$15,871 **AFE Total \$136,411** CC \$307,914

12/8/10 No work on well today. Waiting on right angle drive.

12/9/10 No work on well today. Waiting on right angle drive.
Completion/Packer fluids
(JH) DC \$222 **AFE Total \$136,633** CC \$308,136

12/10/10 Fd 0 fcp, 0 sitp, 0 ppm H2s. POOH w/168 jnts tbg and BHA, did not have fish. RIH w/fang mill+bit sub+Bowen+LBS+Bowen jar+4 drill collars+bowen intensifier+xo sub+294 jnts tbg. left EOT @ 9,308'. Leave well to sales and SDFD. (RS) DC \$13,526
Transportation (JH) DC \$5,615 **AFE Total \$142,248** CC \$313,751

12/11/10 FD 0 fcp, 0 sitp, 0 PPM H2s. RIH w/54 jnts tbg and pick up nabors oil tools power swivel. Tag @ 10,979' w/348 jnts tbg. RU Weatherford N2 unit and mill dn to 10,980', could not get any deeper. POOH w/51 jnts tbg. RDMO Weatherford. Leave EOT @ 9,401' w/297 jnts tbg. leave well to sales up csg for night and SDFD. (RS) DC \$22,916
Treating (JH) DC \$5,021 **AFE Total \$147,269** CC \$318,772

12/12/10 Fd 0 fcp, 0 sitp, 0 PPM H2s. Pump 30 bbls 2% dn tbg and POOH w/297 jnts tbg. MIRU JW wireline and RIH w/2 3/4" scalloped guns. **Perf f/8,574-76', 8,588-90', 8,698-702', 8,907-12', 9,050-55', 9,434-36', 9,462-64', 9,550-52', 9,617-19', 9,634-36', 9,644-54', 9,666-70', 9,782-84', 9,830-32', 9,848-50', 9,866-70', 9,997-99', 10,060-62', 10,072-74', 10,533-35', 10,551-53', 10,564-66', 10,580-84', 10,590-92', 10,642-44', 10,716-18', 10,782-86', 10,818-20', 10,842-44', 10,856-58', 10,885-87', 10,906-08'.** POOH. RDMO JW wireline and leave well to sales up csg for night. SDFD. (RS) DC \$33,248
Perforate (JH) DC \$28,277 **AFE Total \$175,546** CC \$347,049

12/13/10 Fd 100 fcp, 100 sitp, 0 PPM H2s. blow csg dn to tank and RIH w/blade bit+scraper+6'pup jnt+353 jnts tbg and tag PBTD @ 10,980'. Lay dn 3 jnts tbg and POOH 350 jnts tbg and lay dn BHA. Leave well to sales up csg for night and SDFD. (RS) DC \$7,611
Supervise – Swann Consulting LLC
(JH) DC \$10,365 **AFE Total \$185,911** CC \$357,414

12/14/10 Fd 200 fcp, 0 PPM H2s RIH w/nabors oil tools and bridge plug and 275 jnts tbg. set plug @ 8,568' and POOH w/275 jnts tbg. Remove 7" 5k BOP and install 10k production tree. MIRU BC quick test and test csg to 8,500

and watch for 15 min, test good. Bleed psi off and leave well to sales for night. SDFD. (RS) DC \$11,539
Pressure testing, Completion/Packer fluids, Transportation
(JH) DC \$18,415 **AFE Total \$204,326** CC \$375,829

12/15/10 Fd 0 sicp, 0 PPM H2s. BP @ 8,500'. Remove 4 1/16" blind flange and install 7" 5k BOP. RIH w/retrieving tool+6' tbg sub+HD packer+x-nipple w/plug in place to displace csg+273 jnts tbg. MIRU Delsco and RIH w/fishing tool. Retrieve X plug and POOH. RIH w/2 jnts tbg and release BP. RIH w/another 177 jnts tbg and set BP @ 10,919'. POOH w/3 jnts tbg and set HD packer @ 10,830' w/347 jnts tbg+25' pup jnt. Install pop off on csg valve and set @ 4,000 psi. MIRU Frac tech and psi test lines to 9,000 psi, test good. **Stage-1 perfs f/(10,842-44', 10,856-58', 10,885-87', 10,906-08')** 24 total holes. Pump 5 bbls 2% kcl followed by 250 gal 15% HCL and drop 1 bio ball every 12 gal's acid drop 1 bio ball every 12 gal's, total of 21 balls, flushed w/49 bbls 2% kcl. SD, ISIP 0 psi. @ 18 bbls psi came up to 8,000 psi, @ 2.5 bpm. @ 60 bbls psi broke back to 1,200 increase rate to 4 bpm. Release packer and POOH 20 jnts tbg. leave EOT @ 10,608' and leave well shut in for night. SDFD. (RS) DC \$12,106
Treating, Rental equipment, Wireline service
(JH) DC \$17,973 **AFE Total \$222,299** CC \$393,802

12/16/10 Fd 0 sicp, 0 sitp, 0 PPM H2s. RIH for **stage-2 perfs f/(10,551-53', 10,654-66', 10,580-84', 10,590-92', 10,642-44', 10,684-86', 10,716-18', 10,782-86', 10,818-20')**, total 96 holes (30 re perfs). Set plug @ 10,830' w/347 jnts tbg, POOH 9 jnts and set HD packer @ 10,530' w/388 jts tbg. Psi test Frac tech lines to 8,500 psi, test good. Pump 5 bbls 2% kcl followed by 250 gal 15% HCL drop 1 bio ball every 5 gal acid, total of 57 balls, flushed w/55 bbls 2% kcl, SD ISIP 0. When balls hit formation psi went from 1,500 to 2,100 then broke back (fair ball action). Release packer and RIH w/9 jnts tbg and release plug. **Stage 3 perfs f/(9,666-70', 9,782-84', 9,830-32', 9,848-50', 9,866-70', 9,997-99', 10,060-62', 10,072-74', 10,533-35')** total 84 holes (18 re shots) POOH 9 jnts and set plug @ 10,540' w/388 jnts tbg, POOH 28 jnts tbg and set packer @ 9,657' w/310 jnts tbg. Pump 5 bbls 2% kcl followed by 250 gal 15% HCL acid, drop 1 bio ball every 5 gal, 50 balls total, flushed w/60 bbls 2% kcl. SD, ISIP 0. pumping psi 1,300, did not see any ball action. Annulus had 130 psi after flush. Release packer and RIH w/28 jnts tbg, release plug. **Stage-4 perfs f/(9,434-36', 9,462-64', 9,550-52', 9,617-19', 9,634-36', 9,644-54')**, total 90 holes (30 re perfs). POOH 28 jnts tbg and set plug 9,657' w/310 jnts tbg, POOH 8 jnts tbg and set packer @ 9,406 w/302 jnts tbg. Pump 5 bbls 2% kcl followed by 250 gals 15% HCL, drop 1 bio ball sealer every 5 gals, flushed w/50 bbls 2% kcl. SD, ISIP 0 psi. annulus had 45 psi after flush. Pumping psi 850, did not see any ball action. Release packer, RIH w/8 jnts tbg and release plug. **Stage-5 perf f/8,574-76', 8,588-90', 8,698-702', 8,907-12', 9,050-55'**, Total 72 holes (18 re perfs). POOH w/18 jnts tbg and set plug @ 9,100' w/292 jnts, POOH w/19 jnts and set HD packer @ 8,507' w/273 jnts tbg. RU and pump 5 bbls 2% kcl followed by 250 gals 15% HCL acid, drop 1 bio ball every 6 gal acid, 43 total balls, flushed

w/52 bbls. @ 42 bbls tbg psi came up to 4,000 psi and packer started to leak, annulus came up to 2,000 psi. SD, Release packer and pump another 42 bbls 2% kcl dn tbg and psi came up to 6,000 psi. could not break dn perms w/5k BOP. POOH 5 jnts tbg and leave well shut in for night. (RS) DC \$6,726. Labor, Transportation, Rental equipment (JH) DC \$15,468 **AFE Total \$237,767 CC \$409,270**

12/17/10 Fd 0 sicp, 0 sitp, 0 PPM H2s. POOH w/268 jnts tbg and lay dn BHA. RIH w/retrieving tool+tbg sub+new HD packer+x-nipple+273 jnts tbg and set packer @ 8,507'. RU and pump 5 bbls 2% kcl followed by 500 gal 15% HCL acid, drop 1 bio ball every 6 gal acid for total of 43 ball's, flushed w/52 bbls. SD, ISIP 3,000 psi. When ball's hit formation psi came up to 6,100, saw good ball action. Bleed tbg to 90 psi and shut, in psi came up to 2,000 psi in 2 min. release packer and psi went to 0. RIH w/19 jnts tbg and release plug, POOH w/20 jnts tbg and leave EOT @ 8,439' w/272 jnts tbg. leave well shut in and SDFD. (RS) DC \$ 17,595
Heat frac water
(JH) DC \$7,333 **AFE Total \$245,100 CC \$416,603**

12/18/10 Fd 0 sicp, 0 sitp, 0 PPM H2s. Finish POOH tbg and lay dn BHA. ND BOP, NU 4" 10k frac tree. Move tbg and racks to edge of location and RDMO four corners well service. SDFD. (RS)
Transportation (JH) DC \$5,430 **AFE Total \$250,530 CC \$422,033**

12/20/10 RU to frac Hail Mary stage f/8,574-76', 8,588-90', 8,698-702', 8,907-12', 9,050-55', 9,434-36', 9,462-64', 9,550-52', 9,617-19', 9,634-36', 9,644-54', 9,666-70', 9,782-84', 9,830-32', 9,848-50', 9,866-70', 9,997-99', 10,060-62', 10,072-74', 10,533-35', 10,551-53', 10,564-66', 10,580-84', 10,590-92', 10,642-44', 10,716-18', 10,782-86', 10,818-20', 10,842-44', 10,856-58', 10,855-58', 10,906-08'. MIRU stinger well head isolation tool. Unable to sting into well head w/13.5# cups, POOH and replace w/15.10# cups and RIH, stinger set. MIRU Frac tech pumping services and psi test frac lines to 9,500 psi. Max psi to be 8,500. Have safety meeting. Open psi 400 psi.. FR slick water frac well w/ 558,878# 40/70 white sand, 7,824 bbls 2% FR slick water (CLO2 water), and flushed w/128 bbls 2% CLO2 water. SD, ISIP 4,112 FG .86 5 min shut in 4,035, 10 min shut in 4,006, 15 min shut in 3,982. Average rate 42.8 bpm, average psi 6,470. Start pumping into perms w/6,000 @ 20 bpm. Increase rate to 50 bpm and start sand and dropping 1 bio ball every 20 bbls. @ 72 balls gone pressure came up to 7,500, drop rate to 45 bpm and pump 50 bbls sweep. Did not seem to help psi, drop balls every 40 bbls. @ 3,550 bbls pumped psi still climbing, cut sand and drop 13 bio balls w/100 bbls sweep. When balls hit saw excellent ball action and psi break, go back to 1 ball every 20 bbls. @ 4,342 bbls gone psi looked like well was screening out, drop rate to 40 bpm and pump 50 bbls sweep w/no ball's, when sweep hit psi broke over. Start dropping ball's every 20 bbls w/2# sand. Job started to look very good, @ 6,143 bbls gone Frac tech started to have trouble w/there pump truck's, rate dropped to 35 bpm. Psi looked like we were loosing ball's, start dropping ball's every 10 bbls for last 400 bbls of

the job. Over all the job pumped very well. SWI and wait for coil tbg. SDFD. (JD) DC \$136,397
Fracturing, Rental equipment, Transportation
(JH) DC \$137,597 **AFE Total \$388,127** CC \$559,630

- 12/21/10 MIRU CTS Coil tbg and have safety meeting. PSI test lines to 6,000 psi, test good. Open well and well had 3,600 psi. RIH w/1 ¾" wash nozzle on 1 ¾ coil tbg. Pump 1 bpm while RIH. Tag sand @ 9,028 increase rate to 2 bpm, + 500 scf N2. Start washing dn, every 100' of hole made POOH 20' and pump 10 bbl gel sweep every 400', psi @ 3,100 flowing about 2 bpm on a 14/64 ck. Tag solid @ 9,656' had to push 10k dn to get through. When fell through bridge psi came up to 3,400 still on a 14/64 ck. Did not see any washing action from 9,700' to 10,960'. Tag PBTD @ 10,960' coil tbg measurement. Pump 20 bbls gel sweep @ bottom perf and start OOH. Pump 2 bpm + 500 scf N2 until above perms. Kill fluid and blow N2 from 8,000 to surface. OOH w/coil. RDMO CTS. Turn well over to FB @ 5:17 p.m. w/3,200 on a 12/64 ck. DC \$33,529
Completion/Packer fluids, Coiled tbg unit, Heat frac water, Rental equip.
(JH) DC \$54,482 **AFE Total \$442,609** CC \$614,112
- 12/22/10 7:00 a.m. 500 on a 14/64 ck. Made 793 bbls in 13 hrs 45 min, BLWTR 7,159 bbls. (JD)
- 12/23/10 7:00 a.m. 100 psi on a 14/64 ck. TR 1,027 bbls, BLWTR 6,925 bbls turn well to sales @ 9:15 a.m. on a 10/64 ck. Will have rig on loc next week to RIH tbg. (JD)
Monitor well (JH) DC \$6,615 **AFE Total \$449,224** CC \$620,727
- 12/28/10 Spot in Double Hook Rig #1. (JD) DC \$ 2,400
Water disposal, Completion/Packer fluids, Supervise – Swann Consulting LLC (JH) DC \$12,947 **AFE Total \$462,171** CC \$633,674
- 12/29/10 Clean snow and spot in and RU Double Hook Rig #1. spot in pipe rack's and load w/pipe. Talley all tbg to get ready for tomorrow, wait on Nabors oil tools for BOP. SDFD. (RS) DC\$ 3,180
Labor, Transportation, Nitrogen & CO2, Rental equipment
(JH) DC \$11,530 **AFE Total \$473,701** CC \$645,204
- 12/30/10 Fd 100 fcp, 0 PPM H2s. pump 20 bbls 2% kcl dn csg and well pressured up to 2,000 psi and did not bleed off. Open well to fb tnk, psi bled off to 100 flowing sand. Decision was made between (JD, CW, RS) to not run tbg, fear of sanding in the tbg string after shut down. RDMO Double Hook. SWI and SDFD. (RS) DC \$6,790
Rental services/Close out costs
(JH) DC \$4,658 **AFE Total \$478,359** CC \$649,862
- 12/31/10 Fd 0 fcp. MIRU Coil Tbg Services, (Mike Anderson). Have safety meeting, psi test lines to 6,000 psi. Pumping ½ bpm RIH w/wash nozzle

on 2" coil tbg. @ 8,000' increase rate to 1 ½ bpm +500 scf N2 w/16/64 ck @ manifold. Tag sand fill @ 8,700', (top perf 8,574'). Flowing w/ 1,000 psi @ manifold, wash dn 300' and stopped seeing weight loss, psi increased to 1,500 psi. RIH to 10,690' and tag solid, push 10k dn and washed through bridge. Wash dn and tag PBTd @ 10,690'. Pump 20 bbl gel sweep out the end of coil and start POOH. Well flowing w/2,500 on a 16/64 ck. OOH w/coil, shut blind rams in and turn well to flow back @ 3:43 p.m. w/2,100 on a 16/64 ck. 4:00 p.m. psi dn to 1,500 psi, open ck to 18/64. 4:30 psi dn to 900 psi, open ck to 20/64. 5:00 p.m. well died, open ck to full open. 7:30 p.m. well started to kick and made 20 bbls w/a lot of gas, 8:10 p.m. well died, SWI to build psi, will RIH coil in the a.m. to clean out sand. SDFD. (JD)

Coiled tbg unit, Heat frac water

(JH) DC \$80,944 **AFE Total \$559,303** CC \$730,806

- 1/1/11 Fd 0 psi fcp. SWI to see if it will build psi.
- 1/2/11 Fd that well will not build psi. Release FB crew and leave well shut in until a rig can move in and run tbg in the hole. DC \$9,323 **AFE Total \$478,399** CC \$636,197 (JD)
- 1/3/11 Monitor well (JH) DC \$9,324 **AFE Total \$568,627** CC \$740,130
- 1/4/11 Water disposal, Completion/Packer fluids
(JH) DC \$4,907 **AFE Total \$573,534** CC \$745,037
- 1/5/11 Updated late costs : Water Hauling \$14,269
Updated late costs : Water treatment \$2,700
(JH) DC \$16,969 **AFE Total \$590,503** CC \$762,006
- 1/11/11 Trucking water, Rental services
(JH) DC \$5,163 **AFE Total \$595,666** CC \$767,169
- 1/13/11 Rental equipment (JH) DC \$1,840 **AFE Total \$597,506** CC \$769,009
- 1/14/11 Fd 0 fcp, 0 PPM H2S. MIRU Double Hook Well Service Rig #1. Spot in support equipment. Turn well over to fb crew to watch for night. SDFD. (RS) DC \$3,426
Transportation, Rental equipment, Supervise – Swann Consulting LLC
(JH) DC \$5,208 **AFE Total \$602,714** CC \$774,217
- 1/15/11 FD 0 fcp, 0 PPM H2S. Heat frac tank to 120 degrees. ND 4" 10k frac tree, NU 7" 5k BOP. Tally and RIH w/notched collar+x-nipple+205 jnts 2 3/8" EUE 8 rnd 4.7# N-80 tbg. Leave EOT @ 6,377' w/205 jnts tbg. Left well shut in. SDFD. (RS) DC \$5,106
Heat frac water (JH) DC \$5,735 **AFE Total \$608,449** CC \$779,952

- 1/18/11 Fd 0 sicp, 0 PPM H2s. RIH w/136 jnts tbg and tag fill @ 10,681' w/341 jnts tbg. POOH w/11 jnts tbg and leave EOT @ 10,335' w/330 jnts tbg. leave well shut in and SDFD. (RS) DC \$5,111
Water disposal, Transportation
(JH) DC \$4,201 **AFE Total \$612,650 CC \$784,153**
- 1/19/11 Fd 0 sicp, 0 PPM H2s RIH w/ 10 tbg and install 2 3/8" string float. MIRU Weatherford N2 unit and start pumping dn tbg. get circulation and wash dn 9 jnts tbg and tag PBTD @ 10,980' w/349 jnts tbg. circulate well clean and pump 12 bbls kill on tbg. POOH to top perf. Leave EOT @ 8,709' w/271 jnts tbg. turn well over to fb crew to clean up and monitor for night. SDFD. (RS) DC \$13,541
Transportation, Heat frac water
(JH) DC \$4,335 **AFE Total \$616,985 CC \$788,488**
- 1/20/11 Fd 50 sitp, 0 sicp. Well did not recover any water through the night. RIH w/73 jnts tbg and install 2 3/8 string float @ 10,805'. Wash dn 5 jnts tbg and tag PBTD @ 10,980' circulate for 30 min and POOH 5 jnts tbg. Remove string float and POOH 73 jnts tbg. Install string float @ 8,401' w/271 jnts to be above perms. RIH w/78 jnts tbg and tag PBTD @ 10,980'. RU Weatherford N2 unit and circulate well for 3 hrs, saw a lot of sand @ returns. POOH w/78 jnts tbg and leave EOT @ 8,79' w/272 jnts tbg. turn well over to fb to clean up. SDFD. (RS) DC \$13,011
Transportation, Rental services
(JH) DC \$7,979 **AFE Total \$624,964 CC \$796,467**
- 1/21/11 Fd 0 sitp, 900 sicp. Pump 10 bbls 2% kcl dn tbg. RIH w/77 jnts tbg and tag fill @ 10,941'. POOH w/15 jnts tbg. W/EOT @ 10,480' RU swab lubricator and start swabbing. Fd IFL @ 4,100' make 12 runs and recover 50 bbls fluid, csg psi climbed to 400 psi. Lay dn lubricator and RIH w/15 tbg and tag PBTD @ 10,935'. POOH w/15 jnts tbg. RU and make 3 more swab runs and csg psi came up to 450, fluid level @ 4,800'. Total fluid recovered is 87 bbls. Drop 3 soap sticks dn tbg and leave csg and tbg shut in. SDFD (JD) DC \$ 7,281
Nitrogen & CO2 (JH) DC \$22,895 **AFE Total \$647,859 CC \$819,362**
- 1/22/11 FD 700 sicp, 0 ftp, 0 PPM H2s. RU swab lubricator and start swabbing. Fd 4,800' fluid level, make 20 swab runs and recover 92 bbls fluid. Fluid level dropped to 6,000' csg psi up to 850 psi. drop 3 soap sticks and leave well shut in. SDFD (RS) DC \$5,286
Supervise – Swann Consulting LLC
(JH) DC \$7,150 **AFE Total \$655,009 CC \$826,512**
- 1/25/11 Fd 60 sitp, 1,400 sicp, 0 PPM H2s. Bleed tbg off to tank. RU swab lubricator and RIH swab. Fd IFL @ 4,700'. Make 9 swab runs and recover 70 bbls fluid, well started to flow and flowed for ½ hr making good water and gas. Shut well in to break off lubricator and well died. RIH w/swab and make 1 run and pull sand into tbg. RIH w/tbg and tag sand fill @ 10,885', 96' of fill. POOH tbg and leave EOT @ 10,480'. RU and RIH

w/swab and came out w/torn cups and no fluid. Will RIH in the a.m. to clean out wellbore again. Leave well shut in and SDFD. (RS) DC \$5,211
Completion/Packer fluids
(JH) DC \$6,465 **AFE Total \$661,474** CC \$832,977

1/26/11 Fd 1,100 sicp, 50 sitp, Bleed off tbg to tank. RIH w/13 jnts tbg and tag fill @ 10,880'. RU weatherford N2 unit and wash dn to PBTD and tag @ 10,980' w/350 jnts tbg. circulate well clean. POOH w/16 jnt tbg to 10,480' and reverse circulate well w/N2. Csg psi climbed to 1,500 and tbg started to flow on its own. Tbg flowed for 45 minutes and recovered 30 bbls water then well died. Will RIH in the a.m. to check for sand. DC \$ 12,186
Nitrogen & CO2, Heat frac water
(JH) DC \$29,355 **AFE Total \$690,829** CC \$862,332

1/27/11 Fd 1,200 sicp, 400 sitp, 0 PPM H2s. Bled off tbg and RIH w/15 jnts tbg and tag fill @ 10,939'. POOH w/15 jnts tbg and pressure up on csg w/N2 to 2,000 psi. Tbg would not circulate. RIH w/swab and tag fluid level @ 4,100', make 3 swab runs and well kicked off flowing. Well flowed for 45 minutes making good water and gas then died. Pressure up on csg again to 1,500 psi and tbg started flowing, well flowed for 1 hr and recovered 20 bbls fluid then died. Csg psi dn to 750 leave well shut in and SDFD.
(RS) DC \$11,006
Rental services (JH) DC \$4,574 **AFE Total \$695,403** CC \$866,906

1/28/11 Fd 1,200 sicp, 700 sitp. Bleed tbg off to tank and start swabbing. Fd IFL @ 5,600', make 12 runs and recover 57 bbls fluid and tbg started to flow. Tbg flowed for 1 hr and recovered 10 bbls fluid, csg psi dropped to 680 psi. tbg died, RIH w/14 jnts tbg and tag fill @ 10,911' w/348 jnts tbg. POOH w/14 jnts tbg and SWI. SDFD. (RS) DC \$7,206
Rental equipment (JH) DC \$6,002 **AFE Total \$701,405** CC \$872,908

1/29/11 Fd 1,050 sicp, 550 sitp. POOH W/47 jnts tbg and w/EOT @ 8,988' start swabbing. Tag IFL @ 4,700', make 2 swab runs and well started flowing. Well flowed for 1 hr and 45 min, recovered 15 bbls fluid and csg psi fell off to 880 psi and well died. RIH w/swab, make 12 runs and recovered 29 bbls fluid. RIH w/61 jnts tbg and tag fill @ 10,911'. POOH w/14 jnts tbg and leave EOT @ 10,480'. Shut well in and SDFD. (RS) DC \$4,984
Monitor well (JH) DC \$18,789 **AFE Total \$720,194** CC \$891,697

1/30/11 Supervise – Swann Consulting LLC
(JH) DC \$3,200 **AFE Total \$723,394** CC \$894,897

2/1/11 Fd 1,500 sicp, 50 sitp, 0 PPM H2s. Open csg to fb tank and RIH w/14 jnts tbg. Tag fill @ 10,911'. RU Weatherford N2 unit and circulate well w/N2. Wash dn to 10,980'. POOH 16 jnts tbg and w/EOT @ 10,480' psi up on backside w/N2 to 1,800 psi. Well started to flow w/1,100 psi on an 8/64 ck. Well flowed for 5 hrs and recovered 57 bbls and tbg psi started to fall off fast. Tbg psi @ 300 psi, open well up on a 16/64 ck to try and keep

fluid moving up tbg and well died. Leave well open to tank for night to monitor and SDFD. (RS) DC \$10,721

Completion/Packer fluids, Heat frac water, Rental equipment
(JH) DC \$12,631 **AFE Total \$736,025** CC \$907,528

2/2/11 Fd 1,200 sicp, 0 sitp, 0 PPM H2s. RIH w/tbg broach to 10,300', broach good. RIH w/swab, fd IFL @ 4,500'. Make 5 runs and recover 24 bbls fluid and tbg started to flow. Tbg flowed for 2 hrs w/1,200 on csg psi and 400 tbg psi then died. Make 1 swab run and tbg kicked off flowing. Watch well for 1 hr. turn well over to fb crew w/900 sicp, 180 ftp on a 12/64 ck. SDFD. (RS) DC \$6,484
(JH) DC \$4,163 **AFE Total \$740,188** CC \$911,691

2/3/11 FD 1,200 sicp, 0 sitp, 0 PPM H2s. RIH w/14 jnts tbg and tag fill @ 10,937'. POOH 30 jnts tbg and land well @ 9,990' w/318 jnts 2 3/8" EUE 8 rmd N-80 tbg. ND Nabors BOP and NU well head and RU flow line. RU swab lubricator. Make 1 swab run and Fd IFL @ 5,400', make 4 runs and recover 30 bbls fluid and well kicked off flowing. Turn well over to sales w/500 ftp, 1,100 sicp on a 10/64 ck. Total fluid recovered 580 bbls BLWTR 7,952 bbls. SDFD. (RS) DC \$7,656
Rental services, Supervise – Swann Consulting LLC, Transportation, Monitor well (JH) DC \$13,726 **AFE Total \$753,914** CC \$925,417

2/04/11 MIRU Triple J Services Swabbing Unit. Thaw flow lines and production unit to blow down tubing. Begin swabbing. Beginning tubing psi 460 last tubing psi 260, beginning casing psi 1260 last tubing psi 1000. Made 3 runs and flowed well to tank until clean, then sent down the sales line. SDFN well left flowing down sales line. DC \$1,971 (SD).
Rental equipment, Tubular testing/Inspection
(JH) DC \$5,978 **AFE Total \$759,892** CC \$931,395

2/05/11 Swabbed well on a total of three times flowing about 2 hours each time. Made a total of 9 runs. Beginning tubing psi 120, last tubing psi 380. Beginning casing psi 1210, last casing psi 880. After swabbing it on the last time well was shut in to build pressure. DC \$2,256 (SD).
Swabbing (JH) DC \$1,971 **AFE Total \$761,863** CC \$933,366

2/06/11 Swabbing (JH) DC \$2,256 **AFE Total \$764,119** CC \$935,622

2/07/11 Swabbed well on three times flowing down sales line each time. Made a total of 7 runs recovering 34 bbls for the day 111 bbls since swabbing started. Beginning tubing psi 1100 last tubing psi 100, beginning casing psi 1200 last casing psi 880 psi. Fluid level in the tubing was found @ 3800' and left @1800'. SDFN DC \$2,256. (SD)

02/08/11 Swabbed well on 2 times flowing down sales line each time. Made a total of 7 runs recovering 55 bbls for the day 166 bbls since swabbing started. Beginning tubing psi 650 last tubing psi 300, beginning casing psi 1120

last casing psi 810 psi. Fluid level in the tubing was found @ 5500' and left @ 2000'. SDFN DC \$2,256. (SD)
Swabbing, Completion/Packer fluids
(JH) DC \$4,660 **AFE Total \$768,779** CC \$940,282

02/09/11 RDMO location with Triple J Swabbing to swab another well. Shot Fluid Level and found fluid level at 8188' which is 1783' above the SN. (SD)
Swabbing (JH) DC \$2,256 **AFE Total \$771,035** CC \$942,538

02/10/11 Swabbed well on 2 times flowing down sales line each time. Made a total of 6 runs recovering 72 bbls for the day 238 bbls since swabbing started. Beginning tubing psi 80 last tubing psi 200, beginning casing psi 1250 last casing psi 910 psi. Fluid level in the tubing was found @ 5400' and left @ 4000'. SDFN DC \$2,843. (SD)
Rental services (JH) DC \$289 **AFE Total \$771,324** CC \$942,827

02/11/11 Swabbed well on 1 time flowing down sales line each time. Well made 3 plunger runs on it own 2 with tank assist 1 without tank assist. Made a total of 1 run recovering 45 bbls for the day, and 283 bbls since swabbing started. Beginning tubing psi 640 last tubing psi 460, beginning casing psi 1200 last casing psi 1000 psi. Fluid level in the tubing was found @ 5500'. SDFN DC \$2,603. (SD)
Swabbing (JH) DC \$2,844 **AFE Total \$774,168** CC \$945,671

2/12/11 Swabbing (JH) DC \$2,603 **AFE Total \$776,771** CC \$948,274

02/14/11 Swabbed well on 2 times, tried to cycle plunger after each time, but was unsuccessful. Shut well in to build pressure to cycle plunger tomorrow. Made a total of 5 runs recovering 35 bbls for the day, and 318 bbls since swabbing started. Beginning tubing psi 490 last tubing psi 400, beginning casing psi 1240 last casing psi 980 psi. Fluid level in the tubing was found @ 3900' and left @ 1500'. SDFN DC \$2,196. (SD)
Swabbing (JH) DC \$2,196 **AFE Total \$778,967** CC \$950,470

02/15/11 Swabbed well on 2 times flowing down sales line each time. After the second time we pulled the plunger, shut the tubing, and open casing to sales. Made a total of 3 runs recovering 47 bbls for the day, and 365 bbls since swabbing started. Beginning tubing psi 940 last tubing psi 30, beginning casing psi 1200 last casing psi 700. Fluid level in the tubing was found @ 4800' and left at 1500'. SDFN DC \$2,140. (SD)
Water disposal, Swabbing
(JH) DC \$2,727 **AFE Total \$781,694** CC \$953,197

02/16/11 Shot Fluid level and found fluid level at 6203' which is 3767' above the SN. Well opened to sales through the casing all night. Beginning csg psi 120 ending csg. psi 500 opened to sales. Beginning tbg psi 600 ending tbg. 40 psi shut it. Made a total of 12 runs, recovering 47 bbls for the day, and 412 bbls since swabbing started. Fluid level in the tubing was found

@ 5700' and left at 4000'. The first 5 runs were all water, and the remaining 7 runs were very gas cut. SDFN DC \$2,372. (SD)
Swabbing (JH) DC \$2,372 **AFE Total \$784,066** CC \$955,569

02/17/11 Well opened to sales through the casing all night. Beginning csg psi 140 ending csg. psi 600 opened to sales. Beginning tbg psi 140 ending tbg. Psi open to tank then shut it. Made a total of 15 runs, recovering 57 bbls for the day, and 469 bbls since swabbing started. Fluid level in the tubing was found @ 6500' and left at 4500'. The first 3 runs were all water, and the remaining 12 runs were very gas cut. SDFN DC \$2,465. (SD)
Swabbing (JH) DC \$2,465 **AFE Total \$786,531** CC \$958,034

02/18/11 Well opened to sales through the casing all night. Beginning csg psi 160 ending csg. psi 600 Shut in for the weekend. Beginning tbg psi 160 ending tbg. Psi 20 to tank then shut it. Made a total of 16 runs, recovering 51 bbls for the day, and 520 bbls since swabbing started. Fluid level in the tubing was found @ 6500' and left at 4000'. The first 3 runs were all water, and the remaining 12 runs were very gas cut.
SDFN DC \$2,372. (SD)
Swabbing (JH) DC \$2,372 **AFE Total \$788,903** CC \$960,406

02/22/11 Well shut in through the weekend to build pressure. Beginning csg psi 1180 ending csg. psi 920 opened to sales. Beginning tbg psi 1325 ending tbg. Psi 600 open to tank then shut it. Made a total of 1 run, recovering 30 bbls for the day, and 550 bbls since swabbing started. Fluid level in the tubing was found @ 5700' and left at 5700'. SDFN DC \$2,140. (SD)
Swabbing (JH) DC \$2,140 **AFE Total \$791,043** CC \$962,546

02/23/11 Well shut in over night to build pressure. Beginning csg psi 1150 ending csg. psi 870 opened to sales. Beginning tbg psi 920 ending tbg. Psi 500 open to tank then shut it. Made a total of 3 run, recovering 40 bbls for the day, and 590 bbls since swabbing started. Fluid level in the tubing was found @ 4500' and left at 2000'. SDFN DC \$2,751. (SD)
Swabbing (JH) DC \$2,751 **AFE Total \$793,794** CC \$965,297

02/24/11 Well shut in over night to build pressure. Beginning csg psi 1140 ending csg. psi 820 opened to sales. Beginning tbg psi 860 ending tbg. Psi 520 open to tank then shut it. Made a total of 4 runs, recovering 32 bbls for the day, and 622 bbls since swabbing started. Fluid level in the tubing was found @ 4500' and left at 2000'. SDFN DC \$2,751. (SD)
Swabbing, Rental equipment
(JH) DC \$3,771 **AFE Total \$797,565** CC \$969,068

3/1/11 MIRU Double Hook well service. Spot in support equipment. SDFD. (RS)
DC \$6,591
Rig work, Rental equipment, Transportation, Frac tank rental
(JH) DC \$26,644 **AFE Total \$824,209** CC \$9995,712

3/2/11

Bleed off tbg and ND well head, NU 7" 5k Weatherford BOP. Tbg started to flow, pump 15 bbls dn tbg and RIH w/29 jnts tbg. install string float and RIH w/1 jnt tbg and tag fill @ 10,920'. RU weatherford N2 unit and circulate well w/N2. Wash dn 2 jnts tbg and tag PBTD @ 10,980 w/350 jnts tbg. circulate well clean and POOH w/76 jnts tbg and install tbg hanger. **Land well @ 8,582' w/274 jnts 2 3/8" EUE 8 rnd 4.7# N-80 tbg.** RU flow line and RDMO Double Hook well service. Pump N2 dn back side to kick well off. Turn well over to FB crew to clean up N2. SDFD. (RS) DC \$13,229

Gasco Production Company

Federal 14-18-2 #1

SW SW of Section 18-T10S-R18E

Uintah County Utah,

043-047-34539

RU for Hail Mary Frac

- 12/1/10 MIRU 4 Corners well service and spot in support equipment.
SDFD. (RS) DC \$5,305
Transportation, Frac tank rental
(JH) DC \$34,261 **AFE Total \$34,261** CC \$205,764
- 12/2/10 Fd 800 sicp, 800 sitp, 0 ppm H₂s @ the well head. Spot in cat walk and pipe racks, RU pump and lines and pump 30 bbls 2% kcl dn tbg and ND well head, NU BOP. Remove tbg hanger and lay dn 1 jnts tbg. Leave well to sales and SDFD. (RS) DC \$7,141
Rental equipment and services, Transportation
(JH) DC \$8,213 **AFE Total \$42,474** CC \$213,977
- 12/3/10 Fd 110 fcp, 100 sitp, 0 ppm H₂s. Pump 20 bbls 2% kcl dn tbg and POOH w/209 jnts tbg. Scale started to form @ 6,583' and dn, scale became thicker the deeper it went. OOH w/ total 272 jts tbg. Turn well over to sales and SDFD. (RS) DC \$7,581
Fishing Services, Transportation
(JH) DC \$33,922 **AFE Total \$76,396** CC \$247,899
- 12/4/10 Fd 150 fcp, 140 sitp, 0 ppm H₂s. Pump 30 bbls 2% kcl dn tbg and POOH w/50 jnts tbg + X-nipple + bottom of POBS. RIH RBS 3 3/4" shoe+2 7/8" bumper sub+223 jnts tbg. leave EOT @ 6,935' and turn well to sales for day and SDFD. (RS) DC \$16,691
Transportation, Nitrogen & CO₂
(JH) DC \$13,515 **AFE Total \$89,911** CC \$261,414
- 12/5/10 Fd 0 fcp, 0 sitp, 0 ppm H₂s. Pump 30 bbls 2% kcl dn tbg. RIH w/128 jnts of tbg and tag @ 10,936' w/351 jnts tbg. PU Nabors Oil Tools power swivel and RU Ace west N₂ unit. Circulate well and wash dn to 10,964' and tag bit sub. Clean dn to 10,977' w/353 jnts tbg. circulate hole clean and POOH w/52 jnts tbg and leave well to sales. SDFD. (RS) DC \$27,360
Nitrogen & CO₂ (JH) DC \$20,939 **AFE Total \$110,850** CC \$282,353
- 12/6/10 0 fcp, 0 sitp, 0 ppm H₂s. POOH w/301 jnts tbg+BHA and did not have fish in tbg. Shoe had good marks inside the shoe indicating POBS was inside. RIH w/over shot+bumper sub+300 jnts tbg and Leave EOT @ 9,357 and turn well to sales and SDFD. (RS) DC \$9,406
Transportation, Supervise – Swann Consulting LLC
(JH) DC \$9,690 **AFE Total \$120,540** CC \$292,043

12/7/10 Fd 150 fcp, 200 sitp, 0 ppm H2s. Pump 30 bbls dn tbg and RIH w/52 jnts tbg. PU Nabors Oil tools power swivel. RIH w/jnt 353 and tag fish top @ 10,977'. Pull and had to set jars off 3 times to get free. POOH w/185 jnts tbg. the right angle drive broke on the rig. Turn well to sales and SDFD. (RS) DC \$9,926
Completion/Packer fluids, Nitrogen & CO2
(JH) DC \$15,871 **AFE Total \$136,411** CC \$307,914

12/8/10 No work on well today. Waiting on right angle drive.

12/9/10 No work on well today. Waiting on right angle drive.
Completion/Packer fluids
(JH) DC \$222 **AFE Total \$136,633** CC \$308,136

12/10/10 Fd 0 fcp, 0 sitp, 0 ppm H2s. POOH w/168 jnts tbg and BHA, did not have fish. RIH w/fang mill+bit sub+Bowen+LBS+Bowen jar+4 drill collars+bowen intensifier+xo sub+294 jnts tbg. left EOT @ 9,308'. Leave well to sales and SDFD. (RS) DC \$13,526
Transportation (JH) DC \$5,615 **AFE Total \$142,248** CC \$313,751

12/11/10 FD 0 fcp, 0 sitp, 0 PPM H2s. RIH w/54 jnts tbg and pick up nabors oil tools power swivel. Tag @ 10,979' w/348 jnts tbg. RU Weatherford N2 unit and mill dn to 10,980', could not get any deeper. POOH w/51 jnts tbg. RDMO Weatherford. Leave EOT @ 9,401' w/297 jnts tbg. leave well to sales up csg for night and SDFD. (RS) DC \$22,916
Treating (JH) DC \$5,021 **AFE Total \$147,269** CC \$318,772

12/12/10 Fd 0 fcp, 0 sitp, 0 PPM H2s. Pump 30 bbls 2% dn tbg and POOH w/297 jnts tbg. MIRU JW wireline and RIH w/2 3/4" scalloped guns. **Perf f/8,574-76', 8,588-90', 8,698-702', 8,907-12', 9,050-55', 9,434-36', 9,462-64', 9,550-52', 9,617-19', 9,634-36', 9,644-54', 9,666-70', 9,782-84', 9,830-32', 9,848-50', 9,866-70', 9,997-99', 10,060-62', 10,072-74', 10,533-35', 10,551-53', 10,564-66', 10,580-84', 10,590-92', 10,642-44', 10,716-18', 10,782-86', 10,818-20', 10,842-44', 10,856-58', 10,885-87', 10,906-08'.** POOH. RDMO JW wireline and leave well to sales up csg for night. SDFD. (RS) DC \$33,248
Perforate (JH) DC \$28,277 **AFE Total \$175,546** CC \$347,049

12/13/10 Fd 100 fcp, 100 sitp, 0 PPM H2s. blow csg dn to tank and RIH w/blade bit+scraper+6'pup jnt+353 jnts tbg and tag PBTD @ 10,980'. Lay dn 3 jnts tbg and POOH 350 jnts tbg and lay dn BHA. Leave well to sales up csg for night and SDFD. (RS) DC \$7,611
Supervise – Swann Consulting LLC
(JH) DC \$10,365 **AFE Total \$185,911** CC \$357,414

12/14/10 Fd 200 fcp, 0 PPM H2s RIH w/nabors oil tools and bridge plug and 275 jnts tbg. set plug @ 8,568' and POOH w/275 jnts tbg. Remove 7" 5k BOP and install 10k production tree. MIRU BC quick test and test csg to 8,500

and watch for 15 min, test good. Bleed psi off and leave well to sales for night. SDFD. (RS) DC \$11,539
Pressure testing, Completion/Packer fluids, Transportation
(JH) DC \$18,415 **AFE Total \$204,326** CC \$375,829

12/15/10 Fd 0 sicp, 0 PPM H2s. BP @ 8,500'. Remove 4 1/16" blind flange and install 7" 5k BOP. RIH w/retrieving tool+6' tbg sub+HD packer+x-nipple w/plug in place to displace csg+273 jnts tbg. MIRU Delsco and RIH w/fishing tool. Retrieve X plug and POOH. RIH w/2 jnts tbg and release BP. RIH w/another 177 jnts tbg and set BP @ 10,919'. POOH w/3 jnts tbg and set HD packer @ 10,830' w/347 jnts tbg+25' pup jnt. Install pop off on csg valve and set @ 4,000 psi. MIRU Frac tech and psi test lines to 9,000 psi, test good. **Stage-1 perfs f/(10,842-44', 10,856-58', 10,885-87', 10,906-08')** 24 total holes. Pump 5 bbls 2% kcl followed by 250 gal 15% HCL and drop 1 bio ball every 12 gal's acid drop 1 bio ball every 12 gal's, total of 21 balls, flushed w/49 bbls 2% kcl. SD, ISIP 0 psi. @ 18 bbls psi came up to 8,000 psi, @ 2.5 bpm. @ 60 bbls psi broke back to 1,200 increase rate to 4 bpm. Release packer and POOH 20 jnts tbg. leave EOT @ 10,608' and leave well shut in for night. SDFD. (RS) DC \$12,106
Treating, Rental equipment, Wireline service
(JH) DC \$17,973 **AFE Total \$222,299** CC \$393,802

12/16/10 Fd 0 sicp, 0 sitp, 0 PPM H2s. RIH for **stage-2 perfs f/(10,551-53', 10,654-66', 10,580-84', 10,590-92', 10,642-44', 10,684-86', 10,716-18', 10,782-86', 10,818-20')**, total 96 holes (30 re perfs). Set plug @ 10,830' w/347 jnts tbg, POOH 9 jnts and set HD packer @ 10,530' w/388 jts tbg. Psi test Frac tech lines to 8,500 psi, test good. Pump 5 bbls 2% kcl followed by 250 gal 15% HCL drop 1 bio ball every 5 gal acid, total of 57 balls, flushed w/55 bbls 2% kcl, SD ISIP 0. When balls hit formation psi went from 1,500 to 2,100 then broke back (fair ball action). Release packer and RIH w/9 jnts tbg and release plug. **Stage 3 perfs f/(9,666-70', 9,782-84', 9,830-32', 9,848-50', 9,866-70', 9,997-99', 10,060-62', 10,072-74', 10,533-35')** total 84 holes (18 re shots) POOH 9 jnts and set plug @ 10,540' w/388 jnts tbg, POOH 28 jnts tbg and set packer @ 9,657' w/310 jnts tbg. Pump 5 bbls 2% kcl followed by 250 gal 15% HCL acid, drop 1 bio ball every 5 gal, 50 balls total, flushed w/60 bbls 2% kcl. SD, ISIP 0. pumping psi 1,300, did not see any ball action. Annulus had 130 psi after flush. Release packer and RIH w/28 jnts tbg, release plug. **Stage-4 perfs f/(9,434-36', 9,462-64', 9,550-52', 9,617-19', 9,634-36', 9,644-54')**, total 90 holes (30 re perfs). POOH 28 jnts tbg and set plug 9,657' w/310 jnts tbg, POOH 8 jnts tbg and set packer @ 9,406 w/302 jnts tbg. Pump 5 bbls 2% kcl followed by 250 gals 15% HCL, drop 1 bio ball sealer every 5 gals, flushed w/50 bbls 2% kcl. SD, ISIP 0 psi. annulus had 45 psi after flush. Pumping psi 850, did not see any ball action. Release packer, RIH w/8 jnts tbg and release plug. **Stage-5 perf f/8,574-76', 8,588-90', 8,698-702', 8,907-12', 9,050-55'**, Total 72 holes (18 re perfs). POOH w/18 jnts tbg and set plug @ 9,100' w/292 jnts, POOH w/19 jnts and set HD packer @ 8,507' w/273 jnts tbg. RU and pump 5 bbls 2% kcl followed by 250 gals 15% HCL acid, drop 1 bio ball every 6 gal acid, 43 total balls, flushed

w/52 bbls. @ 42 bbls tbg psi came up to 4,000 psi and packer started to leak, annulus came up to 2,000 psi. SD, Release packer and pump another 42 bbls 2% kcl dn tbg and psi came up to 6,000 psi. could not break dn perms w/5k BOP. POOH 5 jnts tbg and leave well shut in for night. (RS) DC \$6,726. Labor, Transportation, Rental equipment (JH) DC \$15,468 **AFE Total \$237,767 CC \$409,270**

12/17/10 Fd 0 sicp, 0 sitp, 0 PPM H2s. POOH w/268 jnts tbg and lay dn BHA. RIH w/retrieving tool+tbg sub+new HD packer+x-nipple+273 jnts tbg and set packer @ 8,507'. RU and pump 5 bbls 2% kcl followed by 500 gal 15% HCL acid, drop 1 bio ball every 6 gal acid for total of 43 ball's, flushed w/52 bbls. SD, ISIP 3,000 psi. When ball's hit formation psi came up to 6,100, saw good ball action. Bleed tbg to 90 psi and shut, in psi came up to 2,000 psi in 2 min. release packer and psi went to 0. RIH w/19 jnts tbg and release plug, POOH w/20 jnts tbg and leave EOT @ 8,439' w/272 jnts tbg. leave well shut in and SDFD. (RS) DC \$ 17,595
Heat frac water
(JH) DC \$7,333 **AFE Total \$245,100 CC \$416,603**

12/18/10 Fd 0 sicp, 0 sitp, 0 PPM H2s. Finish POOH tbg and lay dn BHA. ND BOP, NU 4" 10k frac tree. Move tbg and racks to edge of location and RDMO four corners well service. SDFD. (RS)
Transportation (JH) DC \$5,430 **AFE Total \$250,530 CC \$422,033**

12/20/10 RU to frac Hail Mary stage f/8,574-76', 8,588-90', 8,698-702', 8,907-12', 9,050-55', 9,434-36', 9,462-64', 9,550-52', 9,617-19', 9,634-36', 9,644-54', 9,666-70', 9,782-84', 9,830-32', 9,848-50', 9,866-70', 9,997-99', 10,060-62', 10,072-74', 10,533-35', 10,551-53', 10,564-66', 10,580-84', 10,590-92', 10,642-44', 10,716-18', 10,782-86', 10,818-20', 10,842-44', 10,856-58', 10,855-58', 10,906-08'. MIRU stinger well head isolation tool. Unable to sting into well head w/13.5# cups, POOH and replace w/15.10# cups and RIH, stinger set. MIRU Frac tech pumping services and psi test frac lines to 9,500 psi. Max psi to be 8,500. Have safety meeting. Open psi 400 psi.. FR slick water frac well w/ 558,878# 40/70 white sand, 7,824 bbls 2% FR slick water (CLO2 water), and flushed w/128 bbls 2% CLO2 water. SD, ISIP 4,112 FG .86 5 min shut in 4,035, 10 min shut in 4,006, 15 min shut in 3,982. Average rate 42.8 bpm, average psi 6,470. Start pumping into perms w/6,000 @ 20 bpm. Increase rate to 50 bpm and start sand and dropping 1 bio ball every 20 bbls. @ 72 balls gone pressure came up to 7,500, drop rate to 45 bpm and pump 50 bbls sweep. Did not seem to help psi, drop balls every 40 bbls. @ 3,550 bbls pumped psi still climbing, cut sand and drop 13 bio balls w/100 bbls sweep. When balls hit saw excellent ball action and psi break, go back to 1 ball every 20 bbls. @ 4,342 bbls gone psi looked like well was screening out, drop rate to 40 bpm and pump 50 bbls sweep w/no ball's, when sweep hit psi broke over. Start dropping ball's every 20 bbls w/2# sand. Job started to look very good, @ 6,143 bbls gone Frac tech started to have trouble w/there pump truck's, rate dropped to 35 bpm. Psi looked like we were loosing ball's, start dropping ball's every 10 bbls for last 400 bbls of

the job. Over all the job pumped very well. SWI and wait for coil tbg. SDFD. (JD) DC \$136,397
Fracturing, Rental equipment, Transportation
(JH) DC \$137,597 **AFE Total \$388,127** CC \$559,630

- 12/21/10 MIRU CTS Coil tbg and have safety meeting. PSI test lines to 6,000 psi, test good. Open well and well had 3,600 psi. RIH w/1 ¾" wash nozzle on 1 ¾ coil tbg. Pump 1 bpm while RIH. Tag sand @ 9,028 increase rate to 2 bpm, + 500 scf N2. Start washing dn, every 100' of hole made POOH 20' and pump 10 bbl gel sweep every 400', psi @ 3,100 flowing about 2 bpm on a 14/64 ck. Tag solid @ 9,656' had to push 10k dn to get through. When fell through bridge psi came up to 3,400 still on a 14/64 ck. Did not see any washing action from 9,700' to 10,960'. Tag PBTD @ 10,960' coil tbg measurement. Pump 20 bbls gel sweep @ bottom perf and start OOH. Pump 2 bpm + 500 scf N2 until above perms. Kill fluid and blow N2 from 8,000 to surface. OOH w/coil. RDMO CTS. Turn well over to FB @ 5:17 p.m. w/3,200 on a 12/64 ck. DC \$33,529
Completion/Packer fluids, Coiled tbg unit, Heat frac water, Rental equip.
(JH) DC \$54,482 **AFE Total \$442,609** CC \$614,112
- 12/22/10 7:00 a.m. 500 on a 14/64 ck. Made 793 bbls in 13 hrs 45 min, BLWTR 7,159 bbls. (JD)
- 12/23/10 7:00 a.m. 100 psi on a 14/64 ck. TR 1,027 bbls, BLWTR 6,925 bbls turn well to sales @ 9:15 a.m. on a 10/64 ck. Will have rig on loc next week to RIH tbg. (JD)
Monitor well (JH) DC \$6,615 **AFE Total \$449,224** CC \$620,727
- 12/28/10 Spot in Double Hook Rig #1. (JD) DC \$ 2,400
Water disposal, Completion/Packer fluids, Supervise – Swann Consulting LLC (JH) DC \$12,947 **AFE Total \$462,171** CC \$633,674
- 12/29/10 Clean snow and spot in and RU Double Hook Rig #1. spot in pipe rack's and load w/pipe. Talley all tbg to get ready for tomorrow, wait on Nabors oil tools for BOP. SDFD. (RS) DC\$ 3,180
Labor, Transportation, Nitrogen & CO2, Rental equipment
(JH) DC \$11,530 **AFE Total \$473,701** CC \$645,204
- 12/30/10 Fd 100 fcp, 0 PPM H2s. pump 20 bbls 2% kcl dn csg and well pressured up to 2,000 psi and did not bleed off. Open well to fb tnk, psi bled off to 100 flowing sand. Decision was made between (JD, CW, RS) to not run tbg, fear of sanding in the tbg string after shut down. RDMO Double Hook. SWI and SDFD. (RS) DC \$6,790
Rental services/Close out costs
(JH) DC \$4,658 **AFE Total \$478,359** CC \$649,862
- 12/31/10 Fd 0 fcp. MIRU Coil Tbg Services, (Mike Anderson). Have safety meeting, psi test lines to 6,000 psi. Pumping ½ bpm RIH w/wash nozzle

on 2" coil tbg. @ 8,000' increase rate to 1 ½ bpm +500 scf N2 w/16/64 ck @ manifold. Tag sand fill @ 8,700', (top perf 8,574'). Flowing w/ 1,000 psi @ manifold, wash dn 300' and stopped seeing weight loss, psi increased to 1,500 psi. RIH to 10,690' and tag solid, push 10k dn and washed through bridge. Wash dn and tag PBTd @ 10,690'. Pump 20 bbl gel sweep out the end of coil and start POOH. Well flowing w/2,500 on a 16/64 ck. OOH w/coil, shut blind rams in and turn well to flow back @ 3:43 p.m. w/2,100 on a 16/64 ck. 4:00 p.m. psi dn to 1,500 psi, open ck to 18/64. 4:30 psi dn to 900 psi, open ck to 20/64. 5:00 p.m. well died, open ck to full open. 7:30 p.m. well started to kick and made 20 bbls w/a lot of gas, 8:10 p.m. well died, SWI to build psi, will RIH coil in the a.m. to clean out sand. SDFD. (JD)

Coiled tbg unit, Heat frac water

(JH) DC \$80,944 **AFE Total \$559,303** CC \$730,806

- 1/1/11 Fd 0 psi fcp. SWI to see if it will build psi.
- 1/2/11 Fd that well will not build psi. Release FB crew and leave well shut in until a rig can move in and run tbg in the hole. DC \$9,323 **AFE Total \$478,399** CC \$636,197 (JD)
- 1/3/11 Monitor well (JH) DC \$9,324 **AFE Total \$568,627** CC \$740,130
- 1/4/11 Water disposal, Completion/Packer fluids
(JH) DC \$4,907 **AFE Total \$573,534** CC \$745,037
- 1/5/11 Updated late costs : Water Hauling \$14,269
Updated late costs : Water treatment \$2,700
(JH) DC \$16,969 **AFE Total \$590,503** CC \$762,006
- 1/11/11 Trucking water, Rental services
(JH) DC \$5,163 **AFE Total \$595,666** CC \$767,169
- 1/13/11 Rental equipment (JH) DC \$1,840 **AFE Total \$597,506** CC \$769,009
- 1/14/11 Fd 0 fcp, 0 PPM H2S. MIRU Double Hook Well Service Rig #1. Spot in support equipment. Turn well over to fb crew to watch for night. SDFD. (RS) DC \$3,426
Transportation, Rental equipment, Supervise – Swann Consulting LLC
(JH) DC \$5,208 **AFE Total \$602,714** CC \$774,217
- 1/15/11 FD 0 fcp, 0 PPM H2S. Heat frac tank to 120 degrees. ND 4" 10k frac tree, NU 7" 5k BOP. Tally and RIH w/notched collar+x-nipple+205 jnts 2 3/8" EUE 8 rnd 4.7# N-80 tbg. Leave EOT @ 6,377' w/205 jnts tbg. Left well shut in. SDFD. (RS) DC \$5,106
Heat frac water (JH) DC \$5,735 **AFE Total \$608,449** CC \$779,952

- 1/18/11 Fd 0 sicp, 0 PPM H2s. RIH w/136 jnts tbg and tag fill @ 10,681' w/341 jnts tbg. POOH w/11 jnts tbg and leave EOT @ 10,335' w/330 jnts tbg. leave well shut in and SDFD. (RS) DC \$5,111
Water disposal, Transportation
(JH) DC \$4,201 **AFE Total \$612,650 CC \$784,153**
- 1/19/11 Fd 0 sicp, 0 PPM H2s RIH w/ 10 tbg and install 2 3/8" string float. MIRU Weatherford N2 unit and start pumping dn tbg. get circulation and wash dn 9 jnts tbg and tag PBTB @ 10,980' w/349 jnts tbg. circulate well clean and pump 12 bbls kill on tbg. POOH to top perf. Leave EOT @ 8,709' w/271 jnts tbg. turn well over to fb crew to clean up and monitor for night. SDFD. (RS) DC \$13,541
Transportation, Heat frac water
(JH) DC \$4,335 **AFE Total \$616,985 CC \$788,488**
- 1/20/11 Fd 50 sitp, 0 sicp. Well did not recover any water through the night. RIH w/73 jnts tbg and install 2 3/8 string float @ 10,805'. Wash dn 5 jnts tbg and tag PBTB @ 10,980' circulate for 30 min and POOH 5 jnts tbg. Remove string float and POOH 73 jnts tbg. Install string float @ 8,401' w/271 jnts to be above perms. RIH w/78 jnts tbg and tag PBTB @ 10,980'. RU Weatherford N2 unit and circulate well for 3 hrs, saw a lot of sand @ returns. POOH w/78 jnts tbg and leave EOT @ 8,79' w/272 jnts tbg. turn well over to fb to clean up. SDFD. (RS) DC \$13,011
Transportation, Rental services
(JH) DC \$7,979 **AFE Total \$624,964 CC \$796,467**
- 1/21/11 Fd 0 sitp, 900 sicp. Pump 10 bbls 2% kcl dn tbg. RIH w/77 jnts tbg and tag fill @ 10,941'. POOH w/15 jnts tbg. W/EOT @ 10,480' RU swab lubricator and start swabbing. Fd IFL @ 4,100' make 12 runs and recover 50 bbls fluid, csg psi climbed to 400 psi. Lay dn lubricator and RIH w/15 tbg and tag PBTB @ 10,935'. POOH w/15 jnts tbg. RU and make 3 more swab runs and csg psi came up to 450, fluid level @ 4,800'. Total fluid recovered is 87 bbls. Drop 3 soap sticks dn tbg and leave csg and tbg shut in. SDFD (JD) DC \$ 7,281
Nitrogen & CO2 (JH) DC \$22,895 **AFE Total \$647,859 CC \$819,362**
- 1/22/11 FD 700 sicp, 0 ftp, 0 PPM H2s. RU swab lubricator and start swabbing. Fd 4,800' fluid level, make 20 swab runs and recover 92 bbls fluid. Fluid level dropped to 6,000' csg psi up to 850 psi. drop 3 soap sticks and leave well shut in. SDFD (RS) DC \$5,286
Supervise – Swann Consulting LLC
(JH) DC \$7,150 **AFE Total \$655,009 CC \$826,512**
- 1/25/11 Fd 60 sitp, 1,400 sicp, 0 PPM H2s. Bleed tbg off to tank. RU swab lubricator and RIH swab. Fd IFL @ 4,700'. Make 9 swab runs and recover 70 bbls fluid, well started to flow and flowed for ½ hr making good water and gas. Shut well in to break off lubricator and well died. RIH w/swab and make 1 run and pull sand into tbg. RIH w/tbg and tag sand fill @ 10,885', 96' of fill. POOH tbg and leave EOT @ 10,480'. RU and RIH

w/swab and came out w/torn cups and no fluid. Will RIH in the a.m. to clean out wellbore again. Leave well shut in and SDFD. (RS) DC \$5,211
Completion/Packer fluids
(JH) DC \$6,465 **AFE Total \$661,474** CC \$832,977

1/26/11 Fd 1,100 sicp, 50 sitp, Bleed off tbg to tank. RIH w/13 jnts tbg and tag fill @ 10,880'. RU weatherford N2 unit and wash dn to PBTD and tag @ 10,980' w/350 jnts tbg. circulate well clean. POOH w/16 jnt tbg to 10,480' and reverse circulate well w/N2. Csg psi climbed to 1,500 and tbg started to flow on its own. Tbg flowed for 45 minutes and recovered 30 bbls water then well died. Will RIH in the a.m. to check for sand. DC \$ 12,186
Nitrogen & CO2, Heat frac water
(JH) DC \$29,355 **AFE Total \$690,829** CC \$862,332

1/27/11 Fd 1,200 sicp, 400 sitp, 0 PPM H2s. Bled off tbg and RIH w/15 jnts tbg and tag fill @ 10,939'. POOH w/15 jnts tbg and pressure up on csg w/N2 to 2,000 psi. Tbg would not circulate. RIH w/swab and tag fluid level @ 4,100', make 3 swab runs and well kicked off flowing. Well flowed for 45 minutes making good water and gas then died. Pressure up on csg again to 1,500 psi and tbg started flowing, well flowed for 1 hr and recovered 20 bbls fluid then died. Csg psi dn to 750 leave well shut in and SDFD.
(RS) DC \$11,006
Rental services (JH) DC \$4,574 **AFE Total \$695,403** CC \$866,906

1/28/11 Fd 1,200 sicp, 700 sitp. Bleed tbg off to tank and start swabbing. Fd IFL @ 5,600', make 12 runs and recover 57 bbls fluid and tbg started to flow. Tbg flowed for 1 hr and recovered 10 bbls fluid, csg psi dropped to 680 psi. tbg died, RIH w/14 jnts tbg and tag fill @ 10,911' w/348 jnts tbg. POOH w/14 jnts tbg and SWI. SDFD. (RS) DC \$7,206
Rental equipment (JH) DC \$6,002 **AFE Total \$701,405** CC \$872,908

1/29/11 Fd 1,050 sicp, 550 sitp. POOH W/47 jnts tbg and w/EOT @ 8,988' start swabbing. Tag IFL @ 4,700', make 2 swab runs and well started flowing. Well flowed for 1 hr and 45 min, recovered 15 bbls fluid and csg psi fell off to 880 psi and well died. RIH w/swab, make 12 runs and recovered 29 bbls fluid. RIH w/61 jnts tbg and tag fill @ 10,911'. POOH w/14 jnts tbg and leave EOT @ 10,480'. Shut well in and SDFD. (RS) DC \$4,984
Monitor well (JH) DC \$18,789 **AFE Total \$720,194** CC \$891,697

1/30/11 Supervise – Swann Consulting LLC
(JH) DC \$3,200 **AFE Total \$723,394** CC \$894,897

2/1/11 Fd 1,500 sicp, 50 sitp, 0 PPM H2s. Open csg to fb tank and RIH w/14 jnts tbg. Tag fill @ 10,911'. RU Weatherford N2 unit and circulate well w/N2. Wash dn to 10,980'. POOH 16 jnts tbg and w/EOT @ 10,480' psi up on backside w/N2 to 1,800 psi. Well started to flow w/1,100 psi on an 8/64 ck. Well flowed for 5 hrs and recovered 57 bbls and tbg psi started to fall off fast. Tbg psi @ 300 psi, open well up on a 16/64 ck to try and keep

fluid moving up tbg and well died. Leave well open to tank for night to monitor and SDFD. (RS) DC \$10,721

Completion/Packer fluids, Heat frac water, Rental equipment
(JH) DC \$12,631 **AFE Total \$736,025** CC \$907,528

2/2/11 Fd 1,200 sicp, 0 sitp, 0 PPM H2s. RIH w/tbg broach to 10,300', broach good. RIH w/swab, fd IFL @ 4,500'. Make 5 runs and recover 24 bbls fluid and tbg started to flow. Tbg flowed for 2 hrs w/1,200 on csg psi and 400 tbg psi then died. Make 1 swab run and tbg kicked off flowing. Watch well for 1 hr. turn well over to fb crew w/900 sicp, 180 ftp on a 12/64 ck. SDFD. (RS) DC \$6,484
(JH) DC \$4,163 **AFE Total \$740,188** CC \$911,691

2/3/11 FD 1,200 sicp, 0 sitp, 0 PPM H2s. RIH w/14 jnts tbg and tag fill @ 10,937'. POOH 30 jnts tbg and land well @ 9,990' w/318 jnts 2 3/8" EUE 8 rmd N-80 tbg. ND Nabors BOP and NU well head and RU flow line. RU swab lubricator. Make 1 swab run and Fd IFL @ 5,400', make 4 runs and recover 30 bbls fluid and well kicked off flowing. Turn well over to sales w/500 ftp, 1,100 sicp on a 10/64 ck. Total fluid recovered 580 bbls BLWTR 7,952 bbls. SDFD. (RS) DC \$7,656
Rental services, Supervise – Swann Consulting LLC, Transportation, Monitor well (JH) DC \$13,726 **AFE Total \$753,914** CC \$925,417

2/04/11 MIRU Triple J Services Swabbing Unit. Thaw flow lines and production unit to blow down tubing. Begin swabbing. Beginning tubing psi 460 last tubing psi 260, beginning casing psi 1260 last tubing psi 1000. Made 3 runs and flowed well to tank until clean, then sent down the sales line. SDFN well left flowing down sales line. DC \$1,971 (SD).
Rental equipment, Tubular testing/Inspection
(JH) DC \$5,978 **AFE Total \$759,892** CC \$931,395

2/05/11 Swabbed well on a total of three times flowing about 2 hours each time. Made a total of 9 runs. Beginning tubing psi 120, last tubing psi 380. Beginning casing psi 1210, last casing psi 880. After swabbing it on the last time well was shut in to build pressure. DC \$2,256 (SD).
Swabbing (JH) DC \$1,971 **AFE Total \$761,863** CC \$933,366

2/06/11 Swabbing (JH) DC \$2,256 **AFE Total \$764,119** CC \$935,622

2/07/11 Swabbed well on three times flowing down sales line each time. Made a total of 7 runs recovering 34 bbls for the day 111 bbls since swabbing started. Beginning tubing psi 1100 last tubing psi 100, beginning casing psi 1200 last casing psi 880 psi. Fluid level in the tubing was found @ 3800' and left @1800'. SDFN DC \$2,256. (SD)

02/08/11 Swabbed well on 2 times flowing down sales line each time. Made a total of 7 runs recovering 55 bbls for the day 166 bbls since swabbing started. Beginning tubing psi 650 last tubing psi 300, beginning casing psi 1120

last casing psi 810 psi. Fluid level in the tubing was found @ 5500' and left @ 2000'. SDFN DC \$2,256. (SD)
Swabbing, Completion/Packer fluids
(JH) DC \$4,660 **AFE Total \$768,779** CC \$940,282

02/09/11 RDMO location with Triple J Swabbing to swab another well. Shot Fluid Level and found fluid level at 8188' which is 1783' above the SN. (SD)
Swabbing (JH) DC \$2,256 **AFE Total \$771,035** CC \$942,538

02/10/11 Swabbed well on 2 times flowing down sales line each time. Made a total of 6 runs recovering 72 bbls for the day 238 bbls since swabbing started. Beginning tubing psi 80 last tubing psi 200, beginning casing psi 1250 last casing psi 910 psi. Fluid level in the tubing was found @ 5400' and left @ 4000'. SDFN DC \$2,843. (SD)
Rental services (JH) DC \$289 **AFE Total \$771,324** CC \$942,827

02/11/11 Swabbed well on 1 time flowing down sales line each time. Well made 3 plunger runs on it own 2 with tank assist 1 without tank assist. Made a total of 1 run recovering 45 bbls for the day, and 283 bbls since swabbing started. Beginning tubing psi 640 last tubing psi 460, beginning casing psi 1200 last casing psi 1000 psi. Fluid level in the tubing was found @ 5500'. SDFN DC \$2,603. (SD)
Swabbing (JH) DC \$2,844 **AFE Total \$774,168** CC \$945,671

2/12/11 Swabbing (JH) DC \$2,603 **AFE Total \$776,771** CC \$948,274

02/14/11 Swabbed well on 2 times, tried to cycle plunger after each time, but was unsuccessful. Shut well in to build pressure to cycle plunger tomorrow. Made a total of 5 runs recovering 35 bbls for the day, and 318 bbls since swabbing started. Beginning tubing psi 490 last tubing psi 400, beginning casing psi 1240 last casing psi 980 psi. Fluid level in the tubing was found @ 3900' and left @ 1500'. SDFN DC \$2,196. (SD)
Swabbing (JH) DC \$2,196 **AFE Total \$778,967** CC \$950,470

02/15/11 Swabbed well on 2 times flowing down sales line each time. After the second time we pulled the plunger, shut the tubing, and open casing to sales. Made a total of 3 runs recovering 47 bbls for the day, and 365 bbls since swabbing started. Beginning tubing psi 940 last tubing psi 30, beginning casing psi 1200 last casing psi 700. Fluid level in the tubing was found @ 4800' and left at 1500'. SDFN DC \$2,140. (SD)
Water disposal, Swabbing
(JH) DC \$2,727 **AFE Total \$781,694** CC \$953,197

02/16/11 Shot Fluid level and found fluid level at 6203' which is 3767' above the SN. Well opened to sales through the casing all night. Beginning csg psi 120 ending csg. psi 500 opened to sales. Beginning tbg psi 600 ending tbg. 40 psi shut it. Made a total of 12 runs, recovering 47 bbls for the day, and 412 bbls since swabbing started. Fluid level in the tubing was found

@ 5700' and left at 4000'. The first 5 runs were all water, and the remaining 7 runs were very gas cut. SDFN DC \$2,372. (SD)
Swabbing (JH) DC \$2,372 **AFE Total \$784,066** CC \$955,569

02/17/11 Well opened to sales through the casing all night. Beginning csg psi 140 ending csg. psi 600 opened to sales. Beginning tbg psi 140 ending tbg. Psi open to tank then shut it. Made a total of 15 runs, recovering 57 bbls for the day, and 469 bbls since swabbing started. Fluid level in the tubing was found @ 6500' and left at 4500'. The first 3 runs were all water, and the remaining 12 runs were very gas cut. SDFN DC \$2,465. (SD)
Swabbing (JH) DC \$2,465 **AFE Total \$786,531** CC \$958,034

02/18/11 Well opened to sales through the casing all night. Beginning csg psi 160 ending csg. psi 600 Shut in for the weekend. Beginning tbg psi 160 ending tbg. Psi 20 to tank then shut it. Made a total of 16 runs, recovering 51 bbls for the day, and 520 bbls since swabbing started. Fluid level in the tubing was found @ 6500' and left at 4000'. The first 3 runs were all water, and the remaining 12 runs were very gas cut.
SDFN DC \$2,372. (SD)
Swabbing (JH) DC \$2,372 **AFE Total \$788,903** CC \$960,406

02/22/11 Well shut in through the weekend to build pressure. Beginning csg psi 1180 ending csg. psi 920 opened to sales. Beginning tbg psi 1325 ending tbg. Psi 600 open to tank then shut it. Made a total of 1 run, recovering 30 bbls for the day, and 550 bbls since swabbing started. Fluid level in the tubing was found @ 5700' and left at 5700'. SDFN DC \$2,140. (SD)
Swabbing (JH) DC \$2,140 **AFE Total \$791,043** CC \$962,546

02/23/11 Well shut in over night to build pressure. Beginning csg psi 1150 ending csg. psi 870 opened to sales. Beginning tbg psi 920 ending tbg. Psi 500 open to tank then shut it. Made a total of 3 run, recovering 40 bbls for the day, and 590 bbls since swabbing started. Fluid level in the tubing was found @ 4500' and left at 2000'. SDFN DC \$2,751. (SD)
Swabbing (JH) DC \$2,751 **AFE Total \$793,794** CC \$965,297

02/24/11 Well shut in over night to build pressure. Beginning csg psi 1140 ending csg. psi 820 opened to sales. Beginning tbg psi 860 ending tbg. Psi 520 open to tank then shut it. Made a total of 4 runs, recovering 32 bbls for the day, and 622 bbls since swabbing started. Fluid level in the tubing was found @ 4500' and left at 2000'. SDFN DC \$2,751. (SD)
Swabbing, Rental equipment
(JH) DC \$3,771 **AFE Total \$797,565** CC \$969,068

3/1/11 MIRU Double Hook well service. Spot in support equipment. SDFD. (RS)
DC \$6,591
Rig work, Rental equipment, Transportation, Frac tank rental
(JH) DC \$26,644 **AFE Total \$824,209** CC \$9995,712

3/2/11

Bleed off tbg and ND well head, NU 7" 5k Weatherford BOP. Tbg started to flow, pump 15 bbls dn tbg and RIH w/29 jnts tbg. install string float and RIH w/1 jnt tbg and tag fill @ 10,920'. RU weatherford N2 unit and circulate well w/N2. Wash dn 2 jnts tbg and tag PBTD @ 10,980 w/350 jnts tbg. circulate well clean and POOH w/76 jnts tbg and install tbg hanger. **Land well @ 8,582' w/274 jnts 2 3/8" EUE 8 rnd 4.7# N-80 tbg.** RU flow line and RDMO Double Hook well service. Pump N2 dn back side to kick well off. Turn well over to FB crew to clean up N2. SDFD. (RS) DC \$13,229

Effective Date: 4/16/2015

FORMER OPERATOR:	NEW OPERATOR:
Gasco Production Company N2575 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805	Badlands Production Company N4265 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805
CA Number(s):	Unit(s): Gate Canyon, Wilkin Ridge Deep, RBU-EOR-GRRV

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2015
2. Sundry or legal documentation was received from the **NEW** operator on: 6/2/2015
3. New operator Division of Corporations Business Number: 1454161-0143

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 6/2/2015
2. Receipt of Acceptance of Drilling Procedures for APD on: N/A
3. Reports current for Production/Disposition & Sundries: 6/3/2015
4. OPS/SI/TA well(s) reviewed for full cost bonding: 1/20/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: SUR0027842
2. Indian well(s) covered by Bond Number: N/A
3. State/fee well(s) covered by Bond Number(s): SUR0027845
SUR0035619 -FCB

DATA ENTRY:

1. Well(s) update in the **OGIS** on: 1/22/2016
2. Entity Number(s) updated in **OGIS** on: 1/22/2016
3. Unit(s) operator number update in **OGIS** on: 1/22/2016
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 1/22/2016
6. Surface Facilities update in **RBDMS** on: N/A

LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/22/2016

COMMENTS:

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

Well Name	Section	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
FEDERAL 23-18G-9-19	18	090S	190E	4304752496		Federal	Federal	OW	APD
FEDERAL 14-17G-9-19	17	090S	190E	4304752522		Federal	Federal	OW	APD
FEDERAL 13-18G-9-19	18	090S	190E	4304752538		Federal	Federal	OW	APD
FEDERAL 23-29G-9-19	29	090S	190E	4304752544		Federal	Federal	OW	APD
FEDERAL 24-20G-9-19	20	090S	190E	4304752545		Federal	Federal	OW	APD
FEDERAL 31-21G-9-19	21	090S	190E	4304752546		Federal	Federal	OW	APD
Federal 323-29-9-19	29	090S	190E	4304753026		Federal	Federal	GW	APD
Federal 421-29-9-19	29	090S	190E	4304753027		Federal	Federal	GW	APD
Federal 322-29-9-19	29	090S	190E	4304753029		Federal	Federal	GW	APD
Federal 431-29-9-19	29	090S	190E	4304753030		Federal	Federal	GW	APD
Federal 432-29-9-19	29	090S	190E	4304753031		Federal	Federal	GW	APD
Federal 414-29-9-19	29	090S	190E	4304753070		Federal	Federal	GW	APD
FEDERAL 412-29-9-19	29	090S	190E	4304753073		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753076		Federal	Federal	GW	APD
federal 321-29-9-19	29	090S	190E	4304753078		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753079		Federal	Federal	GW	APD
FEDERAL 321-29-9-19	29	090S	190E	4304753080		Federal	Federal	GW	APD
Federal 212-29-9-19	29	090S	190E	4304753133		Federal	Federal	GW	APD
State 321-32-9-19	32	090S	190E	4304754479		State	State	GW	APD
State 423-32-9-19	32	090S	190E	4304754480		State	State	GW	APD
State 421-32-9-19	32	090S	190E	4304754481		State	State	GW	APD
State 413-32-9-19	32	090S	190E	4304754482		State	State	GW	APD
State 323-32-9-19	32	090S	190E	4304754483		State	State	GW	APD
State 431-32-9-19	32	090S	190E	4304754529		State	State	GW	APD
Desert Spring State 224-36-9-18	36	090S	180E	4304754541		State	State	GW	APD
Desert Spring State 243-36-9-18	36	090S	180E	4304754542		State	State	GW	APD
Desert Spring State 241-36-9-18	36	090S	180E	4304754543		State	State	GW	APD
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	P
RBW 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P
FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P
LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
RBW 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76482
2. NAME OF OPERATOR: Gasco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave. CITY Denver STATE CO ZIP 80237		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (303) 483-0044		8. WELL NAME and NUMBER: Desert Spring Fed 21-1-10-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0633 FNL 1512 FWL		9. API NUMBER: 4304737631
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 1 10S 18E S		10. FIELD AND POOL, OR WILDCAT: Uteland Butte

COUNTY: Uintah

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/16/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco Production Company requests a change of operator on this well, in addition to the wells on the attached list from Gasco Production Company to Badlands Production Company, effective date of 4/16/2015.

Gasco Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

Badlands Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

RECEIVED

JUN 02 2015

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Lindsey Cooke	TITLE Engineering Tech
SIGNATURE <i>Lindsey Cooke</i>	DATE 5/18/2015

(This space for State use only)

APPROVED

JAN 22 2016

DIV. OIL GAS & MINING
BY: *Rachel Medina*

Well Name	Section	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
RBW 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P
RBW 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBW 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBW 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBW 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBW 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBW 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBW 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBW 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBW 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBW 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P

FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P
SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P

LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	S
RBW 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S
RBW 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBW 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBW 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S